September 1, 2006

Mr. Chuck Zimmerman
Brown and Caldwell
3264 Goni Road, Suite 153
Carson City, NV 89706

Dear Mr. Zimmerman:

Enclosed is the quality assurance review of the analytical data for the analyses of the 14 air filter samples that were collected on April 11, 2006, in association with the ARCO Yerington Mine Site (Event 74). The samples were collectively analyzed for ICP metals, ICP/MS metals, and mercury.

Based on this quality assurance review, a few ICP/MS metals results and all mercury results were qualified as "not-detected" due to blank contamination. In addition, several ICP metals, ICP/MS metals, and mercury results were qualified as estimated because these positive results were reported between the method detection limit and reporting limit.

If you have any questions or comments, please do not hesitate to call.

Sincerely,

Konstadina Vlahogiani, M.S.
Senior Quality Assurance Chemist III/
Project Manager

Concurred by:

Rock J. Vitale, CEAC, CPC
Technical Director of Chemistry/
Principal

KV/RJV:hm
Enc.

cc: Ms. Susie Kocsis – Brown and Caldwell

QUALITY ASSURANCE REVIEW

OF THE AIR FILTER SAMPLES COLLECTED

AT THE ARCO YERINGTON MINE SITE

ON APRIL 11, 2006 (EVENT 74)

September 1, 2006

Prepared for:

ATLANTIC RICHFIELD COMPANY
28100 Torch Parkway
Warrenville, IL 60555

Prepared by:

ENVIRONMENTAL STANDARDS, INC.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482-0810

Issued to:

BROWN AND CALDWELL
3264 Goni Road, Suite 153
Carson City, NV 89706

TABLE OF CONTENTS

1.0 Introduction

This quality assurance (QA) review is based upon a rigorous examination of all data generated from the analyses of the 14 air filter samples (including quality control [QC] samples) that were collected by Brown and Caldwell on April 11, 2006, in association with the ARCO Yerington Mine Site (Event 74). The samples included in this QA review are specified on Table 1.

This review has been performed with guidance from the "National Functional Guidelines for Inorganic Data Review" (US EPA, February 1994). This document has been used to aid the data reviewer in the interpretation of the QC analysis results and in the overall evaluation of the sample data deliverables. It should be noted, however, that results affected by blank contamination will be designated with a "UJ" qualifier (not the "U" qualifier typically used when following the National Functional Guidelines) in order to be consistent with historical project validation protocols and the current project database.

The reported analytical results are presented as a summary of the data in Section 2. Data were examined to determine the usability of the analytical results and the compliance relative to the requirements specified in the published analytical methods, the Quality Assurance Project Plan (QAPjP) for the Atlantic Richfield Company Yerington Mine Site (September 2003), and the Technical Requirements For Environmental Laboratory Analytical Services BP Global Contract Lab Network (GCLN) (5/22/02, Revision 08). Qualifier codes have been placed next to results to enable the data user to quickly assess the qualitative and/or quantitative reliability of any result. This critical QA review identifies data quality issues for specific samples and specific evaluation criteria. The data qualifications allow the data's end-user to best understand the usability of the analytical results. Data not qualified in this report should be considered valid based on the QC criteria that have been reviewed. Details of this QA review are presented in Section 1 of this report. This report was prepared to provide a critical review of the laboratory analyses and reported analytical results. Rigorous QA reviews of laboratory-generated data routinely identify various problems associated with analytical measurements, even from the most experienced and capable laboratories.

TABLE 1

SAMPLES INCLUDED IN THIS QUALITY ASSURANCE REVIEW

Field Sample Identification	Laboratory Sample Identification	Report Number	Matrix	Date Sample Collected	Parameters Examined
P-0591	G6D190170-001	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0592	G6D190170-002	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0593	G6D190170-003	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0594	G6D190170-004	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0595	G6D190170-005	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0596	G6D190170-006	G6D190170	Filter	4/11/06	M^1, M^2, Hg
P-0597 (Field Duplicate of P-0591)	G6D190170-007	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000423	G6D190170-008	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000424	G6D190170-009	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000425	G6D190170-010	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000426	G6D190170-011	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000427	G6D190170-012	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000428	G6D190170-013	G6D190170	Filter	4/11/06	M^1, M^2, Hg
000429 (Trip Blank)	G6D190170-014	G6D190170	Filter	4/11/06	M^1, M^2, Hg

NOTES:

M^1 - Metals (specifically, silver, arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, manganese, molybdenum, nickel, lead, selenium, vanadium, and zinc) by SW-846 Method 6020.

M^2 - Metals (specifically, aluminum, calcium, iron, magnesium, and sodium) by SW-846 Method 6010B.

Hg - Mercury by SW-846 Method 7471A.

2.0 Findings

Complete support documentation for this inorganic QA review is presented in Section 8.0 of this report. The cover sheet for this section is a checklist of all QA procedures required by the protocols and examined in this data review.

A. ICP Metals Analysis

Fourteen samples were analyzed for ICP metals (specifically, aluminum, calcium, iron, magnesium, and sodium) by SW-846 Method 6010B. The findings offered in this report for this fraction are based on the items on the following table.

Item Reviewed	Acceptable	Acceptable With Discussion	Acceptable With Qualification	Not Acceptable
Holding Times	√			
Sample Condition Upon Receipt	√			
Blank Analysis Results	√			
LCS Recoveries	√			
Detection Limits/Sensitivity	√			
Calibrations	√			
ICP Interference Check Samples	√			
PQL Standard Recoveries	√			
Field Duplicate Precision	√			
Post-Digestion Spike	√			
Serial Dilution Precision	√			
Analytical Sequence	√			
Sample Preparation	√			
Quantitation of Results			√	
A Critical Evaluation of Instrumental Raw Data	√			

Quantitation of Results: All positive results reported at concentrations greater than the method detection limit (MDL) but less than the reporting limit (RL) were qualified as estimated and have been flagged "J" on the data tables.

B. ICP/MS Metals Analysis

Fourteen samples were analyzed for ICP/MS metals (specifically, silver, arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, manganese, molybdenum, nickel, lead, selenium, vanadium, and zinc) by SW-846 Method 6020. The findings offered in this report for this fraction are based on the items on the following table.

Item Reviewed	Acceptable	Acceptable With Discussion	Acceptable With Qualification	Not Acceptable
Holding Times	√			
Sample Condition Upon Receipt	√			
Blank Analysis Results			√	
LCS Recoveries	√			
Field Duplicate Precision	√			
Post-Digestion Spike	√			

Item Reviewed	Acceptable	Acceptable With Discussion	Acceptable With Qualification	Not Acceptable
Serial Dilution Precision	√			
Internal Standard Recoveries	√			
Detection Limits/Sensitivity	√			
Calibrations	√			
ICP/MS Interference Check Samples	√			
Analytical Sequence	√			
Sample Preparation	√			
Quantitation of Positive Results			√	
A Critical Evaluation of Instrumental Raw Data	√			

Blank Analysis Results: Vanadium was observed to be present in the method and trip blanks associated with the project samples. In addition, silver was observed to be present in the calibration and trip blanks associated with the project samples. Furthermore, beryllium and cadmium were observed to be present in the calibration blanks associated with the project samples. The reported positive results for vanadium in samples P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428; for silver in samples P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428; for beryllium in samples P-0593, P-0596, 000423, 000424, 000425, 000426, 000427, and 000428; and for cadmium in samples 000425, 000426, and 000427 should be considered “not-detected” and have been flagged “UJ” on the data tables. It should be noted that dilution factors and sample volumes were taken into account when evaluating blank contamination.

Quantitation of Positive Results: All positive results reported at concentrations greater than the MDL but less than the RL were qualified as estimated and have been flagged “J” on the data tables.

C. Mercury Analysis

Fourteen samples were analyzed for mercury by SW-846 Method 7471A. The findings offered in this report for this fraction are based on the items on the following table.

Item Reviewed	Acceptable	Acceptable With Discussion	Acceptable With Qualification	Not Acceptable
Holding Times	√			
Sample Condition Upon Receipt	√			
Blank Analysis Results			√	
LCS Recoveries	√			
Detection Limits/Sensitivity	√			
Calibrations	√			
Field Duplicate Precision	√			
Analytical Sequence	√			
Sample Preparation	√			
Quantitation of Positive Results			√	
A Critical Evaluation of Instrumental Raw Data	√			

Blank Analysis Results: Mercury was observed to be present in the calibration, method, and trip blanks associated with the project samples. The reported positive results for mercury in samples P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428 should be considered "not-detected" and have been flagged "UJ" on the data tables. It should be noted that dilution factors and sample volumes were taken into account when evaluating blank contamination.

Quantitation of Positive Results: All positive results reported at concentrations greater than the MDL but less than the RL were qualified as estimated and have been flagged "J" on the data tables.

3.0 Qualifier Summary Tables

A. ICP Metals Analysis

Analyte	Report Number	Sample(s)	Validation Qualifier	Reason(s) for Qualification
aluminum	G6D190170	P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, and 000424	J	T - positive result reported between the MDL and RL
calcium	G6D190170	000426	J	T - positive result reported between the MDL and RL
magnesium	G6D190170	P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428	J	T - positive result reported between the MDL and RL

B. ICP/MS Metals Analysis

Analyte	Report Number	Sample(s)	Validation Qualifier	Reason(s) for Qualification
vanadium	G6D190170	P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428	UJ	2 - method blank contamination/ 7 - trip blank contamination
silver	G6D190170	P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, and P-0597	UJ	7 - trip blank contamination/ Y – continuing calibration blank contamination
silver	G6D190170	000423, 000424, 000425, 000426, 000427, and 000428	UJ	Y – continuing calibration blank contamination
beryllium	G6D190170	P-0593, P-0596, 000423, 000424, 000425, 000426, 000427, and 000428	UJ	Y - continuing calibration blank contamination
cadmium	G6D190170	000425, 000426, and 000427	UJ	Y - continuing calibration blank contamination

Analyte	Report Number	Sample(s)	Validation Qualifier	Reason(s) for Qualification
manganese	G6D190170	P-0591, P-0592, P-0593, P-0595, P-0596, and P-0597	J	T - positive result reported between the MDL and RL
lead	G6D190170	P-0591 and P-0596	J	T - positive result reported between the MDL and RL
silver	G6D190170	000429	J	T - positive result reported between the MDL and RL
zinc	G6D190170	000425, 000426, and 000428	J	T - positive result reported between the MDL and RL
vanadium	G6D190170	000429	J	T - positive result reported between the MDL and RL

C. Mercury Analysis

Analyte	Report Number	Sample(s)	Validation Qualifier	Reason(s) for Qualification
mercury	G6D190170	P-0591, P-0592, P-0593, P-0594, P-0595, P-0596, P-0597, 000423, 000424, 000425, 000426, 000427, and 000428	UJ	2 - method blank contamination/ 7 - trip blank contamination/ Y – continuing calibration blank contamination
mercury	G6D190170	000429	J	T - positive result reported between the MDL and RL

4.0 Overall Assessment

Based on this quality assurance review, a few ICP/MS metals results and all mercury results were qualified as “not-detected” due to blank contamination. In addition, several ICP metals, ICP/MS metals, and mercury results were qualified as estimated because these positive results were reported between the MDL and RL.

5.0 Inorganic Data Qualifiers and Valid Reason Codes

Inorganic Data Qualifiers

U Analyte not detected at the detection limit concentration.

J Reported value is an estimated concentration.

UJ Analyte not detected at an estimated detection limit concentration.

R These data were rejected and were not used for any purposes.

UR The analyte was not detected. The detection limit is unreliable and may be representative of a false negative. These data were rejected and are not usable for any purpose.

Valid Reason Codes

1	Holding time violation
2	Method blank contamination
3	Surrogate recovery
4	Matrix spike/matrix spike duplicate recovery
5	Matrix spike/matrix spike duplicate precision outside limits
6	Laboratory control sample recovery
7	Field blank contamination
8	Field duplicate precision outside limits
9	Other deficiencies (including cooler temperature)
A	Absence of supporting QC
S	ICV, CCV or column performance check problem
Y	Initial and continuing calibration blank problem
M	Interference check samples problem
O	Post-digestion spike outside of 85-115%
F	MSA correlation coefficient <0.995, or MSA not done
G	Serial dilution problem
K	DFTPP or BFB tuning problem
Q	Initial calibration problem
X	Internal standard recovery problem
V	Second source standard calibration verification problem
L	Low bias
Z	Retention time problem
N	Counting time error (radionuclide chemistry)
W	Detector instability (radionuclide chemistry)
C	Co-elution of compounds
E	Value exceeds linear calibration range
I	Interferences present during analysis
T	Trace level compound, poor quantitation
P	1C/2C precision outside of limits
B	LCS/LCSD precision outside limits
D	Lab Dup/Rep precision outside limits
H	High bias

6.0 Signatures

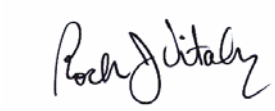
Report prepared by:

Eric T. Lahr
Senior Quality Assurance Chemist I

Report reviewed and approved by:

Konstadina Vlahogiani, M.S.
Senior Quality Assurance Chemist III/
Project Manager

Report reviewed and approved by:



Rock J. Vitale, CEAC, CPC
Technical Director of Chemistry/
Principal

ENVIRONMENTAL STANDARDS, INC.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482-0810

(610) 935-5577

Date: 9/1/06

7.0 ANALYTICAL RESULTS

Arco - Yerington
SDG: G6D190170

			Lab Sample	G6D190170001					G6D190170002					G6D190170003				
			Field Sample	P-0591					P-0592					P-0593				
			Collect Date	4/11/2006					4/11/2006					4/11/2006				
			Type	N					N					N				
			Parent															
Method	**CAS Number**	**Chemical Name**	**Units**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**
40CFRB	TSP	Total Suspended	G															
40CFRJ	PM-10	Particulate Matte	G	0.007		0.0001	0.0001	0	0.0084		0.0001	0.0001	0	0.0074		0.0001	0.0001	0
SW6010B	AL	ALUMINUM	UG	103	J / T	40.8	240	0	110	J / T	40.8	240	0	123	J / T	40.8	240	0
	CA	CALCIUM	UG	898	U	898	3000	0	898	U	898	3000	0	898	U	898	3000	0
	FE	IRON	UG	128		14.4	120	0	132		14.4	120	0	155		14.4	120	0
	MG	MAGNESIUM	UG	110	J / T	97.2	600	0	109	J / T	97.2	600	0	149	J / T	97.2	600	0
	NA	SODIUM	UG	2020	U	2020	6000	0	2020	U	2020	6000	0	2020	U	2020	6000	0
SW6020	AG	SILVER	UG	0.026	UJ / 7,Y	0.026	1.2	0	0.025	UJ / 7,Y	0.025	1.2	0	0.033	UJ / 7,Y	0.033	1.2	0
	AS	ARSENIC	UG	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0
	BA	BARIUM	UG	34.8	U	34.8	120	0	34.8	U	34.8	120	0	34.8	U	34.8	120	0
	BE	BERYLLIUM	UG	0.0084	U	0.0084	1.2	0	0.0084	U	0.0084	1.2	0	0.015	UJ / Y	0.015	1.2	0
	CD	CADMIUM	UG	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0
	CO	COBALT	UG	3.7	U	3.7	12	0	3.7	U	3.7	12	0	3.7	U	3.7	12	0
	CR	CHROMIUM, TO	UG	10.3	U	10.3	12	0	10.3	U	10.3	12	0	10.3	U	10.3	12	0
	CU	COPPER	UG	38.7		2.9	6	0	49.4		2.9	6	0	52.2		2.9	6	0
	MN	MANGANESE	UG	4.8	J / T	1.9	6	0	5.9	J / T	1.9	6	0	5.4	J / T	1.9	6	0
	MO	MOLYBDENUM	UG	1.1	U	1.1	6	0	1.1	U	1.1	6	0	1.1	U	1.1	6	0
	NI	NICKEL	UG	3.5	U	3.5	6	0	3.5	U	3.5	6	0	3.5	U	3.5	6	0
	PB	LEAD	UG	1	J / T	0.34	1.2	0	1.2		0.34	1.2	0	1.2		0.34	1.2	0
	SE	SELENIUM	UG	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0
	V	VANADIUM	UG	3.2	UJ / 2,7	3.2	16	0	3.3	UJ / 2,7	3.3	16	0	3.1	UJ / 2,7	3.1	16	0
	ZN	ZINC	UG	6.2	U	6.2	24	0	6.2	U	6.2	24	0	6.2	U	6.2	24	0
SW7471	HG	MERCURY	UG	0.016	UJ / 2,7,Y	0.016	0.12	0	0.011	UJ / 2,7,Y	0.011	0.12	0	0.024	UJ / 2,7,Y	0.024	0.12	0

			Lab Sample	G6D190170004					G6D190170005					G6D190170006				
			Field Sample	P-0594					P-0595					P-0596				
			Collect Date	4/11/2006					4/11/2006					4/11/2006				
			Type	N					N					N				
			Parent															
Method	CAS Number	Chemical Name	Units	Result	Qual / Reason	MDL	RDL	Uncert	Result	Qual / Reason	MDL	RDL	Uncert	Result	Qual / Reason	MDL	RDL	Uncert
40CFRB	TSP	Total Suspended	G															
40CFRJ	PM-10	Particulate Matte	G	0.0103		0.0001	0.0001	0	0.008		0.0001	0.0001	0	0.008		0.0001	0.0001	0
SW6010B	AL	ALUMINUM	UG	129	J / T	40.8	240	0	124	J / T	40.8	240	0	126	J / T	40.8	240	0
	CA	CALCIUM	UG	898	U	898	3000	0	898	U	898	3000	0	898	U	898	3000	0
	FE	IRON	UG	174		14.4	120	0	150		14.4	120	0	147		14.4	120	0
	MG	MAGNESIUM	UG	127	J / T	97.2	600	0	123	J / T	97.2	600	0	122	J / T	97.2	600	0
	NA	SODIUM	UG	2020	U	2020	6000	0	2020	U	2020	6000	0	2020	U	2020	6000	0
SW6020	AG	SILVER	UG	0.039	UJ / 7,Y	0.039	1.2	0	0.027	UJ / 7,Y	0.027	1.2	0	0.029	UJ / 7,Y	0.029	1.2	0
	AS	ARSENIC	UG	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0
	BA	BARIUM	UG	34.8	U	34.8	120	0	34.8	U	34.8	120	0	34.8	U	34.8	120	0
	BE	BERYLLIUM	UG	0.0084	U	0.0084	1.2	0	0.0084	U	0.0084	1.2	0	0.012	UJ / Y	0.012	1.2	0
	CD	CADMIUM	UG	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0
	CO	COBALT	UG	3.7	U	3.7	12	0	3.7	U	3.7	12	0	3.7	U	3.7	12	0
	CR	CHROMIUM, TO	UG	10.3	U	10.3	12	0	10.3	U	10.3	12	0	10.3	U	10.3	12	0
	CU	COPPER	UG	61.2		2.9	6	0	29.8		2.9	6	0	35.5		2.9	6	0
	MN	MANGANESE	UG	6.4		1.9	6	0	5.7	J / T	1.9	6	0	5.7	J / T	1.9	6	0
	MO	MOLYBDENUM	UG	1.1	U	1.1	6	0	1.1	U	1.1	6	0	1.1	U	1.1	6	0
	NI	NICKEL	UG	3.5	U	3.5	6	0	3.5	U	3.5	6	0	3.5	U	3.5	6	0
	PB	LEAD	UG	1.3		0.34	1.2	0	1.3		0.34	1.2	0	1.1	J / T	0.34	1.2	0
	SE	SELENIUM	UG	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0
	V	VANADIUM	UG	3.3	UJ / 2,7	3.3	16	0	3.2	UJ / 2,7	3.2	16	0	3.1	UJ / 2,7	3.1	16	0
	ZN	ZINC	UG	6.2	U	6.2	24	0	6.2	U	6.2	24	0	6.2	U	6.2	24	0
SW7471	HG	MERCURY	UG	0.016	UJ / 2,7,Y	0.016	0.12	0	0.0066	UJ / 2,7,Y	0.0066	0.12	0	0.019	UJ / 2,7,Y	0.019	0.12	0

			Lab Sample	G6D190170007					G6D190170008					G6D190170009				
			Field Sample	P-0597					000423					000424				
			Collect Date	4/11/2006					4/11/2006					4/11/2006				
			Type	FD					N					N				
			Parent	P-0591														
Method	**CAS Number**	**Chemical Name**	**Units**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**	**Result**	**Qual / Reason**	**MDL**	**RDL**	**Uncert**
40CFRB	TSP	Total Suspended	G						0.0305		0.0001	0.0001	0	0.021		0.0001	0.0001	0
40CFRJ	PM-10	Particulate Matte	G	0.0077		0.0001	0.0001	0										
SW6010B	AL	ALUMINUM	UG	111	J / T	40.8	240	0	370		40.8	240	0	224	J / T	40.8	240	0
	CA	CALCIUM	UG	898	U	898	3000	0	898	U	898	3000	0	898	U	898	3000	0
	FE	IRON	UG	157		14.4	120	0	454		14.4	120	0	257		14.4	120	0
	MG	MAGNESIUM	UG	106	J / T	97.2	600	0	276	J / T	97.2	600	0	191	J / T	97.2	600	0
	NA	SODIUM	UG	2020	U	2020	6000	0	2020	U	2020	6000	0	2020	U	2020	6000	0
SW6020	AG	SILVER	UG	0.043	UJ / 7,Y	0.043	1.2	0	0.23	UJ / Y	0.23	1.2	0	0.15	UJ / Y	0.15	1.2	0
	AS	ARSENIC	UG	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0
	BA	BARIUM	UG	34.8	U	34.8	120	0	34.8	U	34.8	120	0	34.8	U	34.8	120	0
	BE	BERYLLIUM	UG	0.0084	U	0.0084	1.2	0	0.02	UJ / Y	0.02	1.2	0	0.016	UJ / Y	0.016	1.2	0
	CD	CADMIUM	UG	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0
	CO	COBALT	UG	3.7	U	3.7	12	0	3.7	U	3.7	12	0	3.7	U	3.7	12	0
	CR	CHROMIUM, TO	UG	10.3	U	10.3	12	0	10.3	U	10.3	12	0	10.3	U	10.3	12	0
	CU	COPPER	UG	56.5		2.9	6	0	449		2.9	6	0	305		2.9	6	0
	MN	MANGANESE	UG	5.3	J / T	1.9	6	0	14.6		1.9	6	0	11.9		1.9	6	0
	MO	MOLYBDENUM	UG	1.1	U	1.1	6	0	1.1	U	1.1	6	0	1.1	U	1.1	6	0
	NI	NICKEL	UG	3.5	U	3.5	6	0	3.5	U	3.5	6	0	3.5	U	3.5	6	0
	PB	LEAD	UG	1.2		0.34	1.2	0	2		0.34	1.2	0	1.4		0.34	1.2	0
	SE	SELENIUM	UG	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0
	V	VANADIUM	UG	3.2	UJ / 2,7	3.2	16	0	3.7	UJ / 2,7	3.7	16	0	3.2	UJ / 2,7	3.2	16	0
	ZN	ZINC	UG	6.2	U	6.2	24	0	6.2	U	6.2	24	0	6.2	U	6.2	24	0
SW7471	HG	MERCURY	UG	0.024	UJ / 2,7,Y	0.024	0.12	0	0.032	UJ / 2,7,Y	0.032	0.12	0	0.019	UJ / 2,7,Y	0.019	0.12	0

			Lab Sample	G6D190170010					G6D190170011					G6D190170012				
			Field Sample	000425					000426					000427				
			Collect Date	4/11/2006					4/11/2006					4/11/2006				
			Type	N					N					N				
			Parent															
Method	CAS Number	Chemical Name	Units	Result	Qual / Reason	MDL	RDL	Uncert	Result	Qual / Reason	MDL	RDL	Uncert	Result	Qual / Reason	MDL	RDL	Uncert
40CFRB	TSP	Total Suspended	G	0.0247		0.0001	0.0001	0	0.0353		0.0001	0.0001	0	0.022		0.0001	0.0001	0
40CFRJ	PM-10	Particulate Matte	G															
SW6010B	AL	ALUMINUM	UG	334		40.8	240	0	440		40.8	240	0	296		40.8	240	0
	CA	CALCIUM	UG	898	U	898	3000	0	978	J / T	898	3000	0	898	U	898	3000	0
	FE	IRON	UG	442		14.4	120	0	542		14.4	120	0	442		14.4	120	0
	MG	MAGNESIUM	UG	356	J / T	97.2	600	0	334	J / T	97.2	600	0	242	J / T	97.2	600	0
	NA	SODIUM	UG	2020	U	2020	6000	0	2020	U	2020	6000	0	2020	U	2020	6000	0
SW6020	AG	SILVER	UG	0.15	UJ / Y	0.15	1.2	0	0.25	UJ / Y	0.25	1.2	0	0.1	UJ / Y	0.1	1.2	0
	AS	ARSENIC	UG	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0
	BA	BARIUM	UG	34.8	U	34.8	120	0	34.8	U	34.8	120	0	34.8	U	34.8	120	0
	BE	BERYLLIUM	UG	0.016	UJ / Y	0.016	1.2	0	0.017	UJ / Y	0.017	1.2	0	0.022	UJ / Y	0.022	1.2	0
	CD	CADMIUM	UG	0.061	UJ / Y	0.061	1.2	0	0.072	UJ / Y	0.072	1.2	0	0.069	UJ / Y	0.069	1.2	0
	CO	COBALT	UG	3.7	U	3.7	12	0	3.7	U	3.7	12	0	3.7	U	3.7	12	0
	CR	CHROMIUM, TO	UG	10.3	U	10.3	12	0	10.3	U	10.3	12	0	10.3	U	10.3	12	0
	CU	COPPER	UG	277		2.9	6	0	454		2.9	6	0	181		2.9	6	0
	MN	MANGANESE	UG	13.7		1.9	6	0	18.2		1.9	6	0	12.4		1.9	6	0
	MO	MOLYBDENUM	UG	1.1	U	1.1	6	0	1.1	U	1.1	6	0	1.1	U	1.1	6	0
	NI	NICKEL	UG	3.5	U	3.5	6	0	3.5	U	3.5	6	0	3.5	U	3.5	6	0
	PB	LEAD	UG	2.5		0.34	1.2	0	2.1		0.34	1.2	0	1.9		0.34	1.2	0
	SE	SELENIUM	UG	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0
	V	VANADIUM	UG	3.7	UJ / 2,7	3.7	16	0	3.7	UJ / 2,7	3.7	16	0	3.6	UJ / 2,7	3.6	16	0
	ZN	ZINC	UG	9.9	J / T	6.2	24	0	15.3	J / T	6.2	24	0	6.2	U	6.2	24	0
SW7471	HG	MERCURY	UG	0.041	UJ / 2,7,Y	0.041	0.12	0	0.014	UJ / 2,7,Y	0.014	0.12	0	0.021	UJ / 2,7,Y	0.021	0.12	0

			Lab Sample	G6D190170013					G6D190170014				
			Field Sample	000428					000429				
			Collect Date	4/11/2006					4/11/2006				
			Type	N					TB				
			Parent										
Method	CAS Number	Chemical Name	Units	Result	Qual / Reason	MDL	RDL	Uncert	Result	Qual / Reason	MDL	RDL	Uncert
40CFRB	TSP	Total Suspended	G	0.0242		0.0001	0.0001	0	0.0001	U	0.0001	0.0001	0
40CFRJ	PM-10	Particulate Matte	G										
SW6010B	AL	ALUMINUM	UG	315		40.8	240	0	40.8	U	40.8	240	0
	CA	CALCIUM	UG	898	U	898	3000	0	898	U	898	3000	0
	FE	IRON	UG	403		14.4	120	0	14.4	U	14.4	120	0
	MG	MAGNESIUM	UG	238	J / T	97.2	600	0	97.2	U	97.2	600	0
	NA	SODIUM	UG	2020	U	2020	6000	0	2020	U	2020	6000	0
SW6020	AG	SILVER	UG	0.094	UJ / Y	0.094	1.2	0	0.016	J / T	0.014	1.2	0
	AS	ARSENIC	UG	1.9	U	1.9	3.6	0	1.9	U	1.9	3.6	0
	BA	BARIUM	UG	34.8	U	34.8	120	0	34.8	U	34.8	120	0
	BE	BERYLLIUM	UG	0.014	UJ / Y	0.014	1.2	0	0.0084	U	0.0084	1.2	0
	CD	CADMIUM	UG	0.054	U	0.054	1.2	0	0.054	U	0.054	1.2	0
	CO	COBALT	UG	3.7	U	3.7	12	0	3.7	U	3.7	12	0
	CR	CHROMIUM, TO	UG	10.3	U	10.3	12	0	10.3	U	10.3	12	0
	CU	COPPER	UG	169		2.9	6	0	2.9	U	2.9	6	0
	MN	MANGANESE	UG	13.3		1.9	6	0	1.9	U	1.9	6	0
	MO	MOLYBDENUM	UG	1.1	U	1.1	6	0	1.1	U	1.1	6	0
	NI	NICKEL	UG	3.5	U	3.5	6	0	3.5	U	3.5	6	0
	PB	LEAD	UG	1.8		0.34	1.2	0	0.34	U	0.34	1.2	0
	SE	SELENIUM	UG	1.7	U	1.7	3.6	0	1.7	U	1.7	3.6	0
	V	VANADIUM	UG	3.6	UJ / 2,7	3.6	16	0	3	J / T	2.9	12	0
	ZN	ZINC	UG	6.9	J / T	6.2	24	0	6.2	U	6.2	24	0
SW7471	HG	MERCURY	UG	0.028	UJ / 2,7,Y	0.028	0.12	0	0.01	J / T	0.00036	0.12	0

8.0 SUPPORTING DOCUMENTATION

Inorganic Analyses Support Documentation

Environmental Standards Project Name: A&LO
Sample Collection Dates: 4/11/96
Job Number: [illegible]
Project Manager: KV
Laboratory: STL-Sacramento

Reviewed By: [illegible]
Approved By:
Completion Date: 7/29/96

Applicable Sample No's.: ☑ Refer to Table 1 in the Quality Assurance Review

Sample No.	Lab. Control No.
SDG# G6N30171	

Deliverables:
- CLP (like) ☑
- Tier I ☐
- Tier II ☐
- Limited ☐
- Other ______

The following table indicates criteria which were examined, the identified problems, and support documentation attachments.

	Criteria Examined in Detail (Check (✓) If Yes or Footnote Letter for Comments Below)					Problems Identified (Check (✓) If Yes or Footnote Number for Comments Below)					Support Documentation Attachments (Check (✓) If Yes — or Identify Attachment No.)				
	ICP or AA Metals	Furnace Metals	Cold Vapor Mercury	Cyanide	Other Method(s) ___	ICP or AA Metals	Furnace Metals	Cold Vapor Mercury	Cyanide	Other Method(s) ___	ICP or AA Metals	Furnace Metals	Cold Vapor Mercury	Cyanide	Other Method(s) ___
Holding Times	✓		✓								✓		✓		
Blank Analysis Results	✓		✓			✓	(1)	✓	(1)		✓		✓		
Matrix Spike (Predigestion) Results															
Duplicate Analysis Results ☑ Field ☐ Lab	✓		✓								✓		✓		
Quantitation of Results	✓		✓								✓		✓		
Detection Limits / Sensitivity	✓		✓								✓		✓		
Initial Calibrations	✓		✓								✓		✓		
Continuing Calibrations	✓		✓			✓	(1)				✓		✓		
Laboratory Control Standards (LCS)	✓		✓								✓		✓		
ICP Linear Range Analysis															
ICP Interference Checks	✓										✓				
ICP Serial Dilutions	✓										✓				
ICP Post-Digestion Spike	✓										✓				
GFAA Post-Digestion Spikes															
GFAA Duplicate Injections															
ICP Multiple Exposures	✓										✓				
GFAA Standard Additions															
CRDL Standards															
Others: Condition upon receipt	✓										✓				

(COC)

Comments: (1) Blank contamination.

Data acceptable unless otherwise qualified.

ENVIRONMENTAL STANDARDS

BLANK ANALYSIS RESULTS FOR INORGANIC PARAMETERS

MATRIX (Aq., S)	BLANK TYPE (✓) METHOD ICB	CCB	PREP.	TRIP	EQUIPMENT	FIELD	BLANK SAMPLE NUMBER	CONTAMINANT	CONCENTRATION (units)	QUALIFICATION LIMIT FOR AQUEOUS SAMPLES (ug/L) 5x	QUALIFICATION LIMIT FOR SOLID SAMPLES (mg/Kg) 5x	
S			✓				GGD260000-334	V	3.2 ug	—	16.0 ug	
							GGD260000-334	Hg	0.0084 ug	—	0.042 ug	
				✓			000429	Hg	0.010 ug	—	0.05 ug	
								Ag	0.016 ug	—	0.08 ug	
								V	3.0 ug	—	15.0 ug	
Aq		✓					CCB (10:35)	Na	0.015 ug	0.075 ug		
							CCB (15:13)	Hg	0.023 ug/L	0.115 ug/L	—	
							CCB 10	Ag	0.088 ug/L	0.440 ug/L	—	x1.25 = 0.548
								Be	0.078 ug/L	0.390 ug/L	—	= 0.488
							CCB 11	Pb	0.129 ug/L	0.645 ug/L	—	✓ = 0.774
								Mn	0.122 ug/L	0.610 ug/L	—	✓ = 0.732
								Co	0.081 ug/L	0.405 ug/L	—	✓ = 0.482
								Cd	0.078 ug/L	0.390 ug/L	—	= 0.468

Aq. = Aqueous; S = Solid

Notes: See cover pg. for impact on data quality.

EVALUATION OF INORGANIC DUPLICATE ANALYSIS PRECISION

Units ug	PRECISION OBJECTIVES*	
	Analyte > or = 5 X RL	RPD < or = 40
	Analyte < 5 X RL	Difference < or = RL Times 2

* Enter the project-specific or default acceptance criteria

ANALYTE	P-0591 Analyte Concentration	Qual	RL	P-0597 Analyte Concentration	Qual	RL	Difference	RPD	Notes
aluminum	103		240	111		240	8	NA	IN
iron	128		120	157		120	29	NA	IN
magnesium	110		600	106		600	4	NA	IN
silver	0.026		1.2	0.043		1.2	0.017	NA	IN
copper	38.7		6	56.5		6	NA	37.39%	IN
manganese	4.8		6	5.3		6	0.5	NA	IN
lead	1		1.2	1.2		1.2	0.2	NA	IN
vanadium	3.2		12	3.2		12	0	NA	IN
mercury	0.016		0.12	0.024		0.12	0.008	NA	IN
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!
							NA	#DIV/0!	#DIV/0!

NOTES:

Qual) Column to enter J, U, U*, or B

RPD) Relative Percent Difference

RL) Reporting Limit

J) The analyte concentration should be considered estimated.

U) The analyte was not-detected in the sample. The numerical value will be used for comparison purposes.

U* or B) The result was blank qualified. The numerical value will be used for comparison purposes.

NA) The RPD or Difference is not applicable.

1) Both results are > or = 5 X RL and RPD over acceptance limit, flag positive results "J".

2) At least one of the results is < 5 X RL and difference is over acceptance limit, flag positive results "J" and "not-detected" results "UJ".

Comments:

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6D190170 **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6D260000-334 **Prep Batch #...:** 6116334						
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H34E11AC
		Dilution Factor: 1				
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H34E11AD
		Dilution Factor: 1				
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AE
		Dilution Factor: 1				
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AF
		Dilution Factor: 1				
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H34E11AH
		Dilution Factor: 1				
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H34E11AG
		Dilution Factor: 1				
Copper	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AJ
		Dilution Factor: 1				
Lead	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AN
		Dilution Factor: 1				
Manganese	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AK
		Dilution Factor: 1				
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AL
		Dilution Factor: 1				
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AM
		Dilution Factor: 1				
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H34E11AP
		Dilution Factor: 1				
Silver	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AA
		Dilution Factor: 1				
Vanadium	**3.2 B**	**12.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H34E11AQ**
		Dilution Factor: 1				
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H34E11AR
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G6D190170 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6D260000-343 Prep Batch #...: 6116343						
Aluminum	ND	240	ug	SW846 6010B	04/25-04/28/06	H34FM1AA
		Dilution Factor: 1				
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H34FM1AC
		Dilution Factor: 1				
Iron	ND	120	ug	SW846 6010B	04/25-04/28/06	H34FM1AD
		Dilution Factor: 1				
Magnesium	ND	600	ug	SW846 6010B	04/25-04/28/06	H34FM1AE
		Dilution Factor: 1				
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H34FM1AF
		Dilution Factor: 1				
MB Lot-Sample #: G6D260000-311 Prep Batch #...: 6116311						
Mercury	**0.0084 B**	0.12	ug	**SW846 7471A**	**04/27/06**	**H37E81AA**
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Mercury	0.600	0.596	ug	99		SW846 7471A	04/27/06	6116311
	0.600	0.606	ug	101	1.6	SW846 7471A	04/27/06	6116311
			Dilution Factor: 1					
Arsenic	240	221	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	225	ug	94	1.9	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Barium	240	236	ug	99		SW846 6020	04/25-04/26/06	6116334
	240	234	ug	98	0.90	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Beryllium	240	217	ug	90		SW846 6020	04/25-04/26/06	6116334
	240	220	ug	92	1.6	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Cadmium	240	227	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	229	ug	95	1.0	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Chromium	240	220	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	219	ug	91	0.33	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Cobalt	240	223	ug	93		SW846 6020	04/25-04/26/06	6116334
	240	224	ug	93	0.42	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Copper	240	228	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	229	ug	96	0.44	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Lead	240	230	ug	96		SW846 6020	04/25-04/26/06	6116334
	240	230	ug	96	0.07	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					
Manganese	240	233	ug	97		SW846 6020	04/25-04/26/06	6116334
	240	235	ug	98	0.82	SW846 6020	04/25-04/26/06	6116334
			Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 Matrix.....: AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Molybdenum	240	235	ug	98		SW846 6020	04/25-04/26/06	6116334
	240	238	ug	99	1.2	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Nickel	240	229	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	228	ug	95	0.56	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Selenium	240	220	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	231	ug	96	4.6	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Silver	60.0	58.0	ug	97		SW846 6020	04/25-04/26/06	6116334
	60.0	58.1	ug	97	0.06	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Vanadium	240	223	ug	93		SW846 6020	04/25-04/26/06	6116334
	240	223	ug	93	0.05	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Zinc	240	227	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	233	ug	97	2.3	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1						
Aluminum	2400	2230	ug	93		SW846 6010B	04/25-04/28/06	6116343
	2400	2240	ug	93	0.07	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1						
Calcium	60000	54600	ug	91		SW846 6010B	04/25-04/28/06	6116343
	60000	54700	ug	91	0.13	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1						
Iron	1200	1150	ug	96		SW846 6010B	04/25-04/28/06	6116343
	1200	1180	ug	98	2.7	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1						
Magnesium	60000	55700	ug	93		SW846 6010B	04/25-04/28/06	6116343
	60000	55600	ug	93	0.11	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1						

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 **Matrix.....:** AIR

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sodium	60000	52900	ug	88		SW846 6010B	04/25-04/28/06	6116343
	60000	53200	ug	89	0.57	SW846 6010B	04/25-04/28/06	6116343

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 Matrix.....: AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Mercury	99	(75 - 125)			SW846 7471A	04/27/06	6116311
	101	(75 - 125)	1.6	(0-20)	SW846 7471A	04/27/06	6116311
		Dilution Factor: 1					
Arsenic	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	94	(75 - 125)	1.9	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Barium	99	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	98	(75 - 125)	0.90	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Beryllium	90	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	92	(75 - 125)	1.6	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Cadmium	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	95	(75 - 125)	1.0	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Chromium	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	91	(75 - 125)	0.33	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Cobalt	93	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	93	(75 - 125)	0.42	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Copper	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	0.44	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Lead	96	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	0.07	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Manganese	97	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	98	(75 - 125)	0.82	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 **Matrix.....:** AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Molybdenum	98	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	99	(75 - 125)	1.2	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Nickel	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	95	(75 - 125)	0.56	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Selenium	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	4.6	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Silver	97	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	97	(75 - 125)	0.06	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Vanadium	93	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	93	(75 - 125)	0.05	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Zinc	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	97	(75 - 125)	2.3	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					
Aluminum	93	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	93	(75 - 125)	0.07	(0-20)	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1					
Calcium	91	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	91	(75 - 125)	0.13	(0-20)	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1					
Iron	96	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	98	(75 - 125)	2.7	(0-20)	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1					
Magnesium	93	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	93	(75 - 125)	0.11	(0-20)	SW846 6010B	04/25-04/28/06	6116343
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: G6D190170 Matrix.....: AIR

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Sodium	88	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	89	(75 - 125)	0.57	(0-20)	SW846 6010B	04/25-04/28/06	6116343

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

QC DATA ASSOCIATION SUMMARY

G6D190170

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
002	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
003	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
004	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
005	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
006	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
007	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
008	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
009	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
010	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
011	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6D190170

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
012	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
013	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
014	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **ICV (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 11 Method 6020_
Acquired: 04/26/2006 16:51:05 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	21656	82.107	80.000	103	
7429-90-5	Aluminum	27	3771750	845.53	800.00	106	
7440-62-2	Vanadium	51	800067	83.300	80.000	104	
7440-47-3	Chromium	52	779162	83.500	80.000	104	
7439-89-6	Iron	54	709117	899.45	800.00	112	
7439-89-6	Iron	57	264017	868.81	800.00	109	
7439-96-5	Manganese	55	1150990	84.759	80.000	106	
7440-48-4	Cobalt	59	859100	83.338	80.000	104	
7440-02-0	Nickel	60	179776	82.984	80.000	104	
7440-50-8	Copper	65	163272	82.864	80.000	104	
7440-66-6	Zinc	68	60160	83.341	80.000	104	
7440-38-2	Arsenic	75	159066	81.011	80.000	101	
7782-49-2	Selenium	82	13218	80.823	80.000	101	
7439-98-7	Molybdenum	97	115647	83.056	80.000	104	
7440-22-4	Silver	107	283670	42.300	40.000	106	
7440-43-9	Cadmium	111	116594	82.191	80.000	103	
7440-36-0	Antimony	121	182537	41.524	40.000	104	
7440-39-3	Barium	135	104312	82.505	80.000	103	
7440-28-0	Thallium	205	462085	41.040	40.000	103	
7439-92-1	Lead	208	1250895	84.760	80.000	106	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	943601		☑
7440-56-4	Germanium	72	1510163		☑
7440-74-6	Indium	115	1316873		☑
7440-30-4	Thulium	169	871425		☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 1 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 18
Acquired: 04/26/2006 17:24:43
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26492	100.01	100.00	100	
7429-90-5	Aluminum	27	23123258	5360.8	5100.0	105	
7440-62-2	Vanadium	51	969064	102.50	100.00	103	
7440-47-3	Chromium	52	912017	100.85	100.00	101	
7439-89-6	Iron	54	3504194	5166.7	5100.0	101	
7439-89-6	Iron	57	1430350	5166.3	5100.0	101	
7439-96-5	Manganese	55	1374917	103.71	100.00	104	
7440-48-4	Cobalt	59	1021783	101.48	100.00	101	
7440-02-0	Nickel	60	213629	100.98	100.00	101	
7440-50-8	Copper	65	194442	101.06	100.00	101	
7440-66-6	Zinc	68	71626	102.02	100.00	102	
7440-38-2	Arsenic	75	190572	101.39	100.00	101	
7782-49-2	Selenium	82	16420	103.47	100.00	103	
7439-98-7	Molybdenum	97	281041	206.68	200.00	103	
7440-22-4	Silver	107	338978	50.645	50.000	101	
7440-43-9	Cadmium	111	142649	100.75	100.00	101	
7440-36-0	Antimony	121	221626	50.516	50.000	101	
7440-39-3	Barium	135	127243	100.88	100.00	101	
7440-28-0	Thallium	205	584073	51.062	50.000	102	
7439-92-1	Lead	208	1521853	101.52	100.00	102	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	947549		☑
7440-56-4	Germanium	72	1474959		☑
7440-74-6	Indium	115	1314344		☑
7440-30-4	Thulium	169	985258		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 2 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 20
Acquired: 04/26/2006 17:33:24
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26596	101.22	100.00	101	
7429-90-5	Aluminum	27	23050413	5260.8	5100.0	103	
7440-62-2	Vanadium	51	979205	101.99	100.00	102	
7440-47-3	Chromium	52	918556	99.966	100.00	100	
7439-89-6	Iron	54	3515780	5101.5	5100.0	100	
7439-89-6	Iron	57	1442567	5129.1	5100.0	101	
7439-96-5	Manganese	55	1378637	102.37	100.00	102	
7440-48-4	Cobalt	59	1022893	100.02	100.00	100	
7440-02-0	Nickel	60	213862	99.517	100.00	99.5	
7440-50-8	Copper	65	195321	99.938	100.00	99.9	
7440-66-6	Zinc	68	71922	100.83	100.00	101	
7440-38-2	Arsenic	75	191987	100.49	100.00	100	
7782-49-2	Selenium	82	16353	101.39	100.00	101	
7439-98-7	Molybdenum	97	282821	204.76	200.00	102	
7440-22-4	Silver	107	337778	50.232	50.000	100	
7440-43-9	Cadmium	111	141960	99.794	100.00	99.8	
7440-36-0	Antimony	121	222603	50.501	50.000	101	
7440-39-3	Barium	135	127642	100.73	100.00	101	
7440-28-0	Thallium	205	579864	50.200	50.000	100	
7439-92-1	Lead	208	1518566	100.31	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	939852		☑
7440-56-4	Germanium	72	1498179		☑
7440-74-6	Indium	115	1320566		☑
7440-30-4	Thulium	169	994011		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 3 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 32 Method 6020_
Acquired: 04/26/2006 18:25:06 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26218	100.91	100.00	101	
7429-90-5	Aluminum	27	23113368	5256.4	5100.0	103	
7440-62-2	Vanadium	51	971490	100.86	100.00	101	
7440-47-3	Chromium	52	927834	100.65	100.00	101	
7439-89-6	Iron	54	3564532	5155.7	5100.0	101	
7439-89-6	Iron	57	1447918	5130.0	5100.0	101	
7439-96-5	Manganese	55	1375019	101.75	100.00	102	
7440-48-4	Cobalt	59	1023069	99.684	100.00	99.7	
7440-02-0	Nickel	60	213715	99.103	100.00	99.1	
7440-50-8	Copper	65	194756	99.297	100.00	99.3	
7440-66-6	Zinc	68	71154	99.372	100.00	99.4	
7440-38-2	Arsenic	75	192280	100.27	100.00	100	
7782-49-2	Selenium	82	16299	100.69	100.00	101	
7439-98-7	Molybdenum	97	281534	203.11	200.00	102	
7440-22-4	Silver	107	337341	50.606	50.000	101	
7440-43-9	Cadmium	111	141087	100.05	100.00	100	
7440-36-0	Antimony	121	220945	50.564	50.000	101	
7440-39-3	Barium	135	125813	100.14	100.00	100	
7440-28-0	Thallium	205	578444	50.157	50.000	100	
7439-92-1	Lead	208	1513826	100.16	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	929364		☑
7440-56-4	Germanium	72	1503498		☑
7440-74-6	Indium	115	1509110		☑
7440-30-4	Thulium	169	892592		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 4 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 34
Acquired: 04/26/2006 18:33:48
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26444	100.83	100.00	101	
7429-90-5	Aluminum	27	23015142	5186.3	5100.0	102	
7440-62-2	Vanadium	51	986242	101.42	100.00	101	
7440-47-3	Chromium	52	930939	100.02	100.00	100	
7439-89-6	Iron	54	3587514	5140.2	5100.0	101	
7439-89-6	Iron	57	1461790	5131.0	5100.0	101	
7439-96-5	Manganese	55	1389639	101.87	100.00	102	
7440-48-4	Cobalt	59	1028838	99.314	100.00	99.3	
7440-02-0	Nickel	60	214677	98.620	100.00	98.6	
7440-50-8	Copper	65	196111	99.058	100.00	99.1	
7440-66-6	Zinc	68	72561	100.42	100.00	100	
7440-38-2	Arsenic	75	194432	100.47	100.00	100	
7782-49-2	Selenium	82	16512	101.06	100.00	101	
7439-98-7	Molybdenum	97	282060	201.60	200.00	101	
7440-22-4	Silver	107	334725	50.548	50.000	101	
7440-43-9	Cadmium	111	141656	101.12	100.00	101	
7440-36-0	Antimony	121	222626	51.289	50.000	103	
7440-39-3	Barium	135	127143	101.68	100.00	102	
7440-28-0	Thallium	205	573493	49.438	50.000	98.9	
7439-92-1	Lead	208	1497397	98.491	100.00	98.5	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	938143		☑
7440-56-4	Germanium	72	1517548		☑
7440-74-6	Indium	115	1300440		☑
7440-30-4	Thulium	169	887735		☑

Reviewed by: Date:

STL Sacramento CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 5 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 46 Method 6020_
Acquired: 04/26/2006 19:26:01 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26344	100.65	100.00	101	
7429-90-5	Aluminum	27	23199079	5152.2	5100.0	101	
7440-62-2	Vanadium	51	1000414	101.42	100.00	101	
7440-47-3	Chromium	52	951108	100.76	100.00	101	
7439-89-6	Iron	54	3628061	5123.4	5100.0	100	
7439-89-6	Iron	57	1475119	5103.6	5100.0	100	
7439-96-5	Manganese	55	1396372	101.05	100.00	101	
7440-48-4	Cobalt	59	1048746	99.793	100.00	99.8	
7440-02-0	Nickel	60	220162	99.699	100.00	99.7	
7440-50-8	Copper	65	199763	99.459	100.00	99.5	
7440-66-6	Zinc	68	73375	100.09	100.00	100	
7440-38-2	Arsenic	75	197523	100.62	100.00	101	
7782-49-2	Selenium	82	16479	99.387	100.00	99.4	
7439-98-7	Molybdenum	97	286585	201.93	200.00	101	
7440-22-4	Silver	107	339742	50.378	50.000	101	
7440-43-9	Cadmium	111	143084	100.30	100.00	100	
7440-36-0	Antimony	121	223092	50.468	50.000	101	
7440-39-3	Barium	135	127598	100.40	100.00	100	
7440-28-0	Thallium	205	584400	49.836	50.000	99.7	
7439-92-1	Lead	208	1536207	99.954	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	936265		☑
7440-56-4	Germanium	72	1533522		☑
7440-74-6	Indium	115	1324326		☑
7440-30-4	Thulium	169	907563		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 6 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 48 Method 6020_
Acquired: 04/26/2006 19:34:42 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	25977	99.867	100.00	99.9	
7429-90-5	Aluminum	27	22979114	5172.7	5100.0	101	
7440-62-2	Vanadium	51	991030	101.82	100.00	102	
7440-47-3	Chromium	52	942666	101.24	100.00	101	
7439-89-6	Iron	54	3600977	5155.3	5100.0	101	
7439-89-6	Iron	57	1462460	5128.8	5100.0	101	
7439-96-5	Manganese	55	1391971	101.95	100.00	102	
7440-48-4	Cobalt	59	1033341	99.662	100.00	99.7	
7440-02-0	Nickel	60	215100	98.725	100.00	98.7	
7440-50-8	Copper	65	196609	99.220	100.00	99.2	
7440-66-6	Zinc	68	72876	100.77	100.00	101	
7440-38-2	Arsenic	75	194460	100.38	100.00	100	
7782-49-2	Selenium	82	16229	99.205	100.00	99.2	
7439-98-7	Molybdenum	97	281876	201.29	200.00	101	
7440-22-4	Silver	107	336556	50.439	50.000	101	
7440-43-9	Cadmium	111	142115	100.68	100.00	101	
7440-36-0	Antimony	121	224155	51.249	50.000	102	
7440-39-3	Barium	135	126229	100.38	100.00	100	
7440-28-0	Thallium	205	577445	49.946	50.000	99.9	
7439-92-1	Lead	208	1522707	100.49	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	930487		☑
7440-56-4	Germanium	72	1518605		☑
7440-74-6	Indium	115	1310384		☑
7440-30-4	Thulium	169	894748		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 7 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 57 Method 6020_
Acquired: 04/26/2006 20:13:31 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26878	99.222	100.00	99.2	
7429-90-5	Aluminum	27	23389841	5445.1	5100.0	107	
7440-62-2	Vanadium	51	952712	101.24	100.00	101	
7440-47-3	Chromium	52	904947	100.48	100.00	100	
7439-89-6	Iron	54	3458467	5119.4	5100.0	100	
7439-89-6	Iron	57	1381966	5010.1	5100.0	98.2	
7439-96-5	Manganese	55	1345399	101.90	100.00	102	
7440-48-4	Cobalt	59	990674	98.809	100.00	98.8	
7440-02-0	Nickel	60	205204	97.405	100.00	97.4	
7440-50-8	Copper	65	187407	97.808	100.00	97.8	
7440-66-6	Zinc	68	69726	99.684	100.00	99.7	
7440-38-2	Arsenic	75	187021	99.792	100.00	99.8	
7782-49-2	Selenium	82	15895	100.51	100.00	101	
7439-98-7	Molybdenum	97	278031	205.32	200.00	103	
7440-22-4	Silver	107	331636	49.898	50.000	99.8	
7440-43-9	Cadmium	111	140104	99.649	100.00	99.6	
7440-36-0	Antimony	121	223511	51.305	50.000	103	
7440-39-3	Barium	135	124831	99.666	100.00	99.7	
7440-28-0	Thallium	205	576845	50.623	50.000	101	
7439-92-1	Lead	208	1506982	100.91	100.00	101	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	989033		☑
7440-56-4	Germanium	72	1468920		☑
7440-74-6	Indium	115	1305167		☑
7440-30-4	Thulium	169	881068		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 8 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 59 Method 6020_
Acquired: 04/26/2006 20:22:16 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26452	97.878	100.00	97.9	
7429-90-5	Aluminum	27	23433076	5329.0	5100.0	104	
7440-62-2	Vanadium	51	981104	101.82	100.00	102	
7440-47-3	Chromium	52	925485	100.37	100.00	100	
7439-89-6	Iron	54	3519395	5088.1	5100.0	99.8	
7439-89-6	Iron	57	1431285	5069.9	5100.0	99.4	
7439-96-5	Manganese	55	1374641	101.71	100.00	102	
7440-48-4	Cobalt	59	1012074	98.607	100.00	98.6	
7440-02-0	Nickel	60	209768	97.265	100.00	97.3	
7440-50-8	Copper	65	191654	97.709	100.00	97.7	
7440-66-6	Zinc	68	71746	100.21	100.00	100	
7440-38-2	Arsenic	75	191538	99.841	100.00	99.8	
7782-49-2	Selenium	82	16193	100.01	100.00	100	
7439-98-7	Molybdenum	97	280768	202.55	200.00	101	
7440-22-4	Silver	107	333733	50.561	50.000	101	
7440-43-9	Cadmium	111	141280	101.19	100.00	101	
7440-36-0	Antimony	121	221935	51.294	50.000	103	
7440-39-3	Barium	135	125889	101.20	100.00	101	
7440-28-0	Thallium	205	573137	49.832	50.000	99.7	
7439-92-1	Lead	208	1503625	100.09	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	986605		☑
7440-56-4	Germanium	72	1503544		☑
7440-74-6	Indium	115	1296258		☑
7440-30-4	Thulium	169	890114		☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 9 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 68
Acquired: 04/26/2006 21:01:16
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26501	97.468	100.00	97.5	
7429-90-5	Aluminum	27	24205986	5081.7	5100.0	99.6	
7440-62-2	Vanadium	51	1025722	98.398	100.00	98.4	
7440-47-3	Chromium	52	980827	98.128	100.00	98.1	
7439-89-6	Iron	54	3769138	5029.3	5100.0	98.6	
7439-89-6	Iron	57	1543454	5047.0	5100.0	99.0	
7439-96-5	Manganese	55	1457581	99.562	100.00	99.6	
7440-48-4	Cobalt	59	1069751	98.020	100.00	98.0	
7440-02-0	Nickel	60	228529	97.823	100.00	97.8	
7440-50-8	Copper	65	209098	98.415	100.00	98.4	
7440-66-6	Zinc	68	77398	99.799	100.00	99.8	
7440-38-2	Arsenic	75	206866	99.535	100.00	99.5	
7782-49-2	Selenium	82	17298	98.593	100.00	98.6	
7439-98-7	Molybdenum	97	296618	197.56	200.00	98.8	
7440-22-4	Silver	107	351805	50.529	50.000	101	
7440-43-9	Cadmium	111	148981	101.17	100.00	101	
7440-36-0	Antimony	121	233130	51.086	50.000	102	
7440-39-3	Barium	135	133955	102.09	100.00	102	
7440-28-0	Thallium	205	604152	49.642	50.000	99.3	
7439-92-1	Lead	208	1591425	99.773	100.00	99.8	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	972501		☑
7440-56-4	Germanium	72	1628497		☑
7440-74-6	Indium	115	1367230		☑
7440-30-4	Thulium	169	941834		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 10 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 70
Acquired: 04/26/2006 21:09:57
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26829	100.99	100.00	101	
7429-90-5	Aluminum	27	24061113	5171.1	5100.0	101	
7440-62-2	Vanadium	51	1012473	99.396	100.00	99.4	
7440-47-3	Chromium	52	963820	98.733	100.00	98.7	
7439-89-6	Iron	54	3711693	5071.0	5100.0	99.4	
7439-89-6	Iron	57	1512359	5063.0	5100.0	99.3	
7439-96-5	Manganese	55	1438613	100.69	100.00	101	
7440-48-4	Cobalt	59	1070913	98.610	100.00	98.6	
7440-02-0	Nickel	60	225243	98.706	100.00	98.7	
7440-50-8	Copper	65	205494	99.015	100.00	99.0	
7440-66-6	Zinc	68	76087	100.44	100.00	100	
7440-38-2	Arsenic	75	203815	100.46	100.00	100	
7782-49-2	Selenium	82	17276	100.86	100.00	101	
7439-98-7	Molybdenum	97	292739	199.59	200.00	99.8	
7440-22-4	Silver	107	346282	50.331	50.000	101	
7440-43-9	Cadmium	111	146832	100.89	100.00	101	
7440-36-0	Antimony	121	230847	51.185	50.000	102	
7440-39-3	Barium	135	129768	100.07	100.00	100	
7440-28-0	Thallium	205	594392	50.001	50.000	100	
7439-92-1	Lead	208	1564932	100.45	100.00	100	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	950334		☑
7440-56-4	Germanium	72	1590877		☑
7440-74-6	Indium	115	1351158		☑
7440-30-4	Thulium	169	920074		☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 11 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 80
Acquired: 04/26/2006 21:53:26
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26667	97.393	100.00	97.4	
7429-90-5	Aluminum	27	24485872	5053.1	5100.0	99.1	
7440-62-2	Vanadium	51	1029759	97.155	100.00	97.2	
7440-47-3	Chromium	52	984334	96.749	100.00	96.7	
7439-89-6	Iron	54	3801301	4984.5	5100.0	97.7	
7439-89-6	Iron	57	1549573	4980.0	5100.0	97.6	
7439-96-5	Manganese	55	1463930	98.295	100.00	98.3	
7440-48-4	Cobalt	59	1097857	97.072	100.00	97.1	
7440-02-0	Nickel	60	229604	96.615	100.00	96.6	
7440-50-8	Copper	65	211456	97.829	100.00	97.8	
7440-66-6	Zinc	68	77990	98.829	100.00	98.8	
7440-38-2	Arsenic	75	209815	99.200	100.00	99.2	
7782-49-2	Selenium	82	17626	98.777	100.00	98.8	
7439-98-7	Molybdenum	97	296651	194.22	200.00	97.1	
7440-22-4	Silver	107	355971	50.128	50.000	100	
7440-43-9	Cadmium	111	149736	99.683	100.00	99.7	
7440-36-0	Antimony	121	234936	50.473	50.000	101	
7440-39-3	Barium	135	133294	99.599	100.00	99.6	
7440-28-0	Thallium	205	604026	48.914	50.000	97.8	
7439-92-1	Lead	208	1606731	99.276	100.00	99.3	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	979339		☑
7440-56-4	Germanium	72	1656703		☑
7440-74-6	Indium	115	1394595		☑
7440-30-4	Thulium	169	955665		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **ICB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 12
Acquired: 04/26/2006 16:55:25
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00239	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	40620	-0.86150	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-24592	0.89436	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	36147	0.11051	2.0	0.92	0.0	☑
7439-89-6	Iron	54	102076	-0.65557	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20981	-1.3558	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2564	-0.01117	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	101	0.00304	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	116	-0.01206	2.0	0.098	0.0	☑
7440-50-8	Copper	65	150	0.00003				
7440-66-6	Zinc	68	1105	-0.38226	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15290	-0.28118	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	400	0.07086	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	400	0.27046				
7440-22-4	Silver	107	177	0.01842	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	13	0.00420	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	115	0.01134	2.0	0.036	0.0	☑
7440-39-3	Barium	135	268	0.00957	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2359	0.20539	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1165	0.01705	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	956541		☑
7440-56-4	Germanium	72	1512870		☑
7440-74-6	Indium	115	1330779		☑
7440-30-4	Thulium	169	869132		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 1** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 19
Acquired: 04/26/2006 17:29:04
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00255	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	41078	-0.72884	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-22637	1.0826	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	31782	-0.36684	2.0	0.92	0.0	☑
7439-89-6	Iron	54	100145	-3.0354	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20836	-1.6357	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2460	-0.01832	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	111	0.00408	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	128	-0.00633	2.0	0.098	0.0	☑
7440-50-8	Copper	65	147	-0.00100				
7440-66-6	Zinc	68	1051	-0.45422	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15782	0.02514	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	381	-0.03979	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	887	0.62237				
7440-22-4	Silver	107	181	0.01892	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	16	0.00617	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	211	0.03271	2.0	0.036	0.0	☑
7440-39-3	Barium	135	252	-0.00404	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2187	0.18740	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1299	0.02492	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	941673		☑
7440-56-4	Germanium	72	1508057		☑
7440-74-6	Indium	115	1337627		☑
7440-30-4	Thulium	169	881758		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 2** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 21
Acquired: 04/26/2006 17:37:45
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00263	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	41026	-0.82113	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-23579	1.0085	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	32040	-0.36965	2.0	0.92	0.0	☑
7439-89-6	Iron	54	101721	-2.0286	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20897	-2.0652	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2519	-0.01558	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	146	0.00739	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	143	-0.00004	2.0	0.098	0.0	☑
7440-50-8	Copper	65	151	0.00030				
7440-66-6	Zinc	68	1027	-0.50067	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15989	0.06532	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	384	-0.04546	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	871	0.60639				
7440-22-4	Silver	107	216	0.02388	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	16	0.00577	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	240	0.03884	2.0	0.036	0.0	☑
7440-39-3	Barium	135	278	0.01525	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2387	0.20371	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1348	0.02753	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	937984		☑
7440-56-4	Germanium	72	1521675		☑
7440-74-6	Indium	115	1344333		☑
7440-30-4	Thulium	169	887672		☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 3** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 33
Acquired: 04/26/2006 18:29:27
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	5	0.01100	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	42624	-0.56766	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-23461	1.0461	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	36778	0.11267	2.0	0.92	0.0	☑
7439-89-6	Iron	54	104407	0.22840	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20947	-2.7270	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2787	0.00181	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	170	0.00948	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	139	-0.00265	2.0	0.098	0.0	☑
7440-50-8	Copper	65	135	-0.00845				
7440-66-6	Zinc	68	1117	-0.39144	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15743	-0.17224	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	386	-0.05536	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	793	0.54370				
7440-22-4	Silver	107	258	0.03028	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	20	0.00881	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	490	0.09540	2.0	0.036	0.0	☑
7440-39-3	Barium	135	261	0.00345	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	1986	0.16557	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1501	0.03607	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	966231		☑
7440-56-4	Germanium	72	1538417		☑
7440-74-6	Indium	115	1335324		☑
7440-30-4	Thulium	169	903088		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 4** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 35
Acquired: 04/26/2006 18:38:09
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	3	0.00620	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	42684	-0.55274	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-24150	0.97567	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	35414	-0.03679	2.0	0.92	0.0	☑
7439-89-6	Iron	54	104384	0.22177	50.0	17.0	0.0	☑
7439-89-6	Iron	57	21588	-0.45261	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2805	0.00318	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	188	0.01118	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	126	-0.00848	2.0	0.098	0.0	☑
7440-50-8	Copper	65	146	-0.00316				
7440-66-6	Zinc	68	1071	-0.45476	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15625	-0.23811	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	400	0.03038	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	865	0.59459				
7440-22-4	Silver	107	271	0.03210	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	20	0.00890	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	428	0.08139	2.0	0.036	0.0	☑
7440-39-3	Barium	135	260	0.00193	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2308	0.19154	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1595	0.04143	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	950370		☑
7440-56-4	Germanium	72	1538252		☑
7440-74-6	Indium	115	1339819		☑
7440-30-4	Thulium	169	909695		☑

Reviewed by. Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 5** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 47
Acquired: 04/26/2006 19:30:22
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	3	0.00595	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	42489	-0.60630	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-21707	1.2236	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	34501	-0.14213	2.0	0.92	0.0	☑
7439-89-6	Iron	54	103960	-0.55040	50.0	17.0	0.0	☑
7439-89-6	Iron	57	21513	-0.79676	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2946	0.01326	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	193	0.01163	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	139	-0.00248	2.0	0.098	0.0	☑
7440-50-8	Copper	65	161	0.00447				
7440-66-6	Zinc	68	1081	-0.44261	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	16329	0.14243	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	368	-0.17537	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	805	0.55018				
7440-22-4	Silver	107	253	0.02944	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	24	0.01126	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	300	0.05253	2.0	0.036	0.0	☑
7440-39-3	Barium	135	282	0.01975	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	1995	0.16512	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1669	0.04657	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	957514		☑
7440-56-4	Germanium	72	1540484		☑
7440-74-6	Indium	115	1337663		☑
7440-30-4	Thulium	169	907652		☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) | M01 | Reported: 04/28/06 14:11:50

Department: 120 (Metals) | Source: MetEdit

Sample: **CCB 6** | Mult: **1.00** | Dilf: **1.00** | Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 49
Acquired: 04/26/2006 19:39:03
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	0.01019	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	42059	-0.66660	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-21867	1.1967	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	34448	-0.13307	2.0	0.92	0.0	☑
7439-89-6	Iron	54	103554	-0.59396	50.0	17.0	0.0	☑
7439-89-6	Iron	57	21291	-1.3056	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	2982	0.01645	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	237	0.01590	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	148	0.00173	2.0	0.098	0.0	☑
7440-50-8	Copper	65	133	-0.00946				
7440-66-6	Zinc	68	1100	-0.40987	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15918	-0.05022	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	377	-0.11038	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	849	0.58590				
7440-22-4	Silver	107	247	0.02861	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	33	0.01789	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	341	0.06188	2.0	0.036	0.0	☑
7440-39-3	Barium	135	289	0.02579	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2236	0.18850	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1723	0.05152	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	940761		☑
7440-56-4	Germanium	72	1534330		☑
7440-74-6	Indium	115	1335465		☑
7440-30-4	Thulium	169	895659		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 7** Mult: **1.00** Diff: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 58
Acquired: 04/26/2006 20:17:55
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	0.01567	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	43498	-0.04652	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-23947	0.91921	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	33073	-0.17283	2.0	0.92	0.0	☑
7439-89-6	Iron	54	101089	0.36273	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20403	-2.2142	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	3262	0.04420	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	267	0.01957	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	137	-0.00157	2.0	0.098	0.0	☑
7440-50-8	Copper	65	158	0.00532				
7440-66-6	Zinc	68	1040	-0.44929	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15578	0.02697	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	353	-0.18979	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	963	0.68527				
7440-22-4	Silver	107	387	0.05033	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	17	0.00660	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	925	0.19701	2.0	0.036	0.0	☑
7440-39-3	Barium	135	272	0.01632	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2133	0.18341	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1980	0.07118	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	966753		☑
7440-56-4	Germanium	72	1488324		☑
7440-74-6	Indium	115	1310388		☑
7440-30-4	Thulium	169	977456		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 8** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 60
Acquired: 04/26/2006 20:26:37
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	0.01712	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	44523	-0.04178	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-21454	1.2205	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	33685	-0.18941	2.0	0.92	0.0	☑
7439-89-6	Iron	54	102495	-0.99774	50.0	17.0	0.0	☑
7439-89-6	Iron	57	20934	-2.0064	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	3375	0.04692	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	287	0.02087	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	148	0.00213	2.0	0.098	0.0	☑
7440-50-8	Copper	65	150	-0.00013				
7440-66-6	Zinc	68	1079	-0.42842	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	15867	-0.01184	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	384	-0.04866	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	882	0.61242				
7440-22-4	Silver	107	353	0.04469	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	32	0.01759	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	619	0.12544	2.0	0.036	0.0	☑
7440-39-3	Barium	135	267	0.01033	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	2374	0.20066	1.0	0.34	0.0	☑
7439-92-1	Lead	208	1980	0.06851	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	966606		☑
7440-56-4	Germanium	72	1522590		☑
7440-74-6	Indium	115	1324328		☑
7440-30-4	Thulium	169	995091		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 9** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 69
Acquired: 04/26/2006 21:05:36
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	13	0.04287	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	52389	0.94675	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-21214	1.3841	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	34742	-0.32728	2.0	0.92	0.0	☑
7439-89-6	Iron	54	109287	-1.6263	50.0	17.0	0.0	☑
7439-89-6	Iron	57	21941	-3.5693	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	4023	0.07494	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	559	0.04352	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	208	0.02345	2.0	0.098	0.0	☑
7440-50-8	Copper	65	206	0.02089				
7440-66-6	Zinc	68	1066	-0.54527	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	17947	0.48922	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	431	0.06994	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	2082	1.3668				
7440-22-4	Silver	107	560	0.07173	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	73	0.04380	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	625	0.12082	2.0	0.036	0.0	☑
7440-39-3	Barium	135	316	0.03756	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	5687	0.46571	1.0	0.34	0.0	☑
7439-92-1	Lead	208	2343	0.08583	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	807175		☑
7440-56-4	Germanium	72	1630209		☑
7440-74-6	Indium	115	1385463		☑
7440-30-4	Thulium	169	935413		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 10** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 71
Acquired: 04/26/2006 21:14:18
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	23	0.07801	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	58653	2.2608	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-20974	1.4059	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	35162	-0.28536	2.0	0.92	0.0	☑
7439-89-6	Iron	54	110976	0.62010	50.0	17.0	0.0	☑
7439-89-6	Iron	57	22268	-2.5251	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	4418	0.10182	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	880	0.07230	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	287	0.05730	2.0	0.098	0.0	☑
7440-50-8	Copper	65	268	0.05026				
7440-66-6	Zinc	68	1120	-0.47549	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	17786	0.39967	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	421	0.00719	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	2273	1.4977				
7440-22-4	Silver	107	670	0.08789	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	110	0.06895	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	716	0.14142	2.0	0.036	0.0	☑
7440-39-3	Barium	135	343	0.05974	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	6849	0.56248	1.0	0.34	0.0	☑
7439-92-1	Lead	208	2936	0.12356	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	973589		☑
7440-56-4	Germanium	72	1631140		☑
7440-74-6	Indium	115	1974994		☑
7440-30-4	Thulium	169	933744		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 11** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 81 Method 6020_
Acquired: 04/26/2006 21:57:47 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	16	0.05354	1.0	0.078	0.0	☑
7429-90-5	Aluminum	27	60953	2.5735	50.0	2.1	0.0	☑
7440-62-2	Vanadium	51	-23233	1.2258	10.0	3.1	0.0	☑
7440-47-3	Chromium	52	35479	-0.30035	2.0	0.92	0.0	☑
7439-89-6	Iron	54	111932	-0.07473	50.0	17.0	0.0	☑
7439-89-6	Iron	57	22258	-3.5179	50.0	17.0	0.0	☑
7439-96-5	Manganese	55	4780	0.12230	1.0	0.083	0.0	☑
7440-48-4	Cobalt	59	994	0.08140	1.0	0.057	0.0	☑
7440-02-0	Nickel	60	305	0.06325	2.0	0.098	0.0	☑
7440-50-8	Copper	65	322	0.07347				
7440-66-6	Zinc	68	1095	-0.52657	5.0	1.0	0.0	☑
7440-38-2	Arsenic	75	17791	0.28114	2.0	0.50	0.0	☑
7782-49-2	Selenium	82	444	0.10862	2.0	1.7	0.0	☑
7439-98-7	Molybdenum	97	2229	1.4443				
7440-22-4	Silver	107	671	0.08757	1.0	0.030	0.0	☑
7440-43-9	Cadmium	111	125	0.07848	1.0	0.074	0.0	☑
7440-36-0	Antimony	121	680	0.13285	2.0	0.036	0.0	☑
7440-39-3	Barium	135	368	0.07777	1.0	0.96	0.0	☑
7440-28-0	Thallium	205	6217	0.50415	1.0	0.34	0.0	☑
7439-92-1	Lead	208	3051	0.12884	1.0	0.066	0.0	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	977721		☑
7440-56-4	Germanium	72	1652545		☑
7440-74-6	Indium	115	1382655		☑
7440-30-4	Thulium	169	943531		☑

Reviewed by: Date:

STL Sacramento — CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **ICSA** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 13 Method 6020_
Acquired: 04/26/2006 16:59:45 M01
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	11	0.04675		*	☑
7429-90-5	Aluminum	27	75442712	102565	100000	103	☑
7440-62-2	Vanadium	51	-16693	1.3432		*	☑
7440-47-3	Chromium	52	39063	1.3415		*	☑
7439-89-6	Iron	54	54788349	97686	100000	97.7	☑
7439-89-6	Iron	57	22858073	98496	100000	98.5	☑
7439-96-5	Manganese	55	27038	2.2041		*	
7440-48-4	Cobalt	59	14432	1.6798		*	
7440-02-0	Nickel	60	4130	2.2342		*	
7440-50-8	Copper	65	-191	-0.19314 N/A		*	
7440-66-6	Zinc	68	3573	4.1559		*	☑
7440-38-2	Arsenic	75	13418	0.22787		*	☑
7782-49-2	Selenium	82	399	0.58017		*	☑
7439-98-7	Molybdenum	97	2341733	2026.4	2000.0	101	☐
7440-22-4	Silver	107	1628	0.27914		*	☑
7440-43-9	Cadmium	111	528	0.43313		*	☑
7440-36-0	Antimony	121	8073	2.1549		*	
7440-39-3	Barium	135	1094	0.82461		*	☑
7440-28-0	Thallium	205	1350	0.12520		*	☑
7439-92-1	Lead	208	14355	0.99179		*	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	763791		☑
7440-56-4	Germanium	72	1253652		☑
7440-74-6	Indium	115	1115156		☑
7440-30-4	Thulium	169	804725		☑

Reviewed by: Date:

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS M01 - Method 6020 **QUANTITATIVE ANALYSIS REPORT**

SOP No. SAC-MT-0001

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:59:45

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\ICSA.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

	Mass	Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
	45	Sc			1593822.202	ug/L	2168057.900
>	6	Li-1			763790.747	ug/L	944171.698
	9	Be	0.046755	30.492	11.333	ug/L	1.667
	27	Al	102564.529905	2.164	37544271.2.466	ug/L	48727.972
	44	Ca	95409.777840	0.961	19329604.274	ug/L	17922.675
	51	V	1.343234	50.024	-16692.522	ug/L	-36803.379
	52	Cr	1.341547	3.719	39063.362	ug/L	38566.819
	55	Mn	2.204092	0.489	27038.380	ug/L	2978.840
	54	Fe	97685.625963	0.888	54788349.132	ug/L	112445.934
	57	Fe	98496.273913	0.422	22858072.599	ug/L	23429.769
	59	Co	1.679791	0.803	14431.894	ug/L	76.000
	60	Ni	2.234151	7.901	4130.015	ug/L	156.021
	65	Cu	-0.193135	15.815	-191.343	ug/L	164.278
	68	Zn	4.155938	2.664	3572.729	ug/L	1508.130
	75	As	0.227874	33.187	13417.758	ug/L	17316.771
	82	Se	0.580169	71.050	398.814	ug/L	426.678
	97	Mo	2026.351305	0.854	2341732.516	ug/L	25.000
>	72	Ge-1			1253651.833	ug/L	1659393.482
	107	Ag	0.279143	3.225	1628.151	ug/L	54.667
	111	Cd	0.433135	24.185	527.895	ug/L	7.768
	121	Sb	2.154929	0.304	8073.390	ug/L	67.667
	135	Ba	0.824611	4.028	1094.402	ug/L	267.337
>	115	In-1			1115155.504	ug/L	1392588.651
	205	Tl	0.125198	7.755	1350.438	ug/L	56.667
	208	Pb	0.991795	0.470	14354.564	ug/L	989.688
>	169	Tm-1			804725.463	ug/L	940776.202
	50	Cr	259.813155	5.992	43997.580	ug/L	-1111.205
	53	Cr	-43.876014	8.239	105074.501	ug/L	175510.161
	61	Ni	33.507142	15.731	3677.163	ug/L	3653.803
	63	Cu	5.281029	0.745	6799.724	ug/L	114.669
	67	Zn	23.981308	10.725	2861.978	ug/L	2183.430
	66	Zn	10.736616	0.791	3409.859	ug/L	459.700
	76	Se	-118.999365	39.724	-178806.149	ug/L	-232317.750
	77	Se	3.756103	91.076	11827.594	ug/L	15234.612
	78	Se	2.050041	46.513	14578.382	ug/L	18365.731

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:11:50

Department: 120 (Metals) Source: MetEdit

Sample: **ICSAB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 060426B1 # 14
Acquired: 04/26/2006 17:04:03
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	21611	103.65	100.00	104	☑
7429-90-5	Aluminum	27	20346626	112359	100100	112	☑
7440-62-2	Vanadium	51	847291	103.15	100.00	103	☑
7440-47-3	Chromium	52	795753	101.32	100.00	101	☑
7439-89-6	Iron	54	55832280	97401	100100	97.3	☑
7439-89-6	Iron	57	23649072	99711	100100	99.6	☑
7439-96-5	Manganese	55	1223995	106.29	100.00	106	☑
7440-48-4	Cobalt	59	928293	106.14	100.00	106	☑
7440-02-0	Nickel	60	189308	103.01	100.00	103	☑
7440-50-8	Copper	65	163210	97.642	100.00	97.6	☑
7440-66-6	Zinc	68	61225	100.34	100.00	100	☑
7440-38-2	Arsenic	75	169621	104.10	100.00	104	☑
7782-49-2	Selenium	82	16302	118.56	100.00	119	☑
7439-98-7	Molybdenum	97	2565522	2172.1	2100.0	103	☑
7440-22-4	Silver	107	292959	48.548	50.000	97.1	☑
7440-43-9	Cadmium	111	127702	100.04	100.00	100	☑
7440-36-0	Antimony	121	207801	52.541	50.000	105	☑
7440-39-3	Barium	135	116206	102.20	100.00	102	☑
7440-28-0	Thallium	205	556580	52.586	50.000	105	☑
7439-92-1	Lead	208	1500445	108.18	100.00	108	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	745822		☑
7440-56-4	Germanium	72	1281439		☑
7440-74-6	Indium	115	1185206		☑
7440-30-4	Thulium	169	819106		☑

Reviewed by: Date:

STL Sacramento

SAMPLE SPIKE

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 04/28/06 14:13:59

Department: 120 (Metals) Source: MetEdit

Sample: **H3KFFZ** Spike Dilution: **1.00** Sample Dilution: **1.00**

Instrument: **ICPMS M01** Channel 261
File: 060426B1 # 56 Method 6020_
Acquired: 04/26/2006 20:09:13 M01 Matrix: AIR
Calibrated: 04/26/2006 16:42:19 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-41-7	Beryllium	9	54312	204.81	0.00605	102	200		☑
7429-90-5	Aluminum	27	5188745	1149.3	89.821	106	1000		☑
7440-62-2	Vanadium	51	2006030	200.81	2.6549	99.1	200		☑
7440-47-3	Chromium	52	1847743	200.31	-0.15456	100	200		☑
7439-89-6	Iron	54	935025	1213.5	82.772	113	1000		☑
7439-89-6	Iron	57	862480	1201.8	102.30	110	1000		☑
7439-96-5	Manganese	55	2990902	217.25	3.9786	107	200		☑
7440-48-4	Cobalt	59	2148342	205.28	0.44783	102	200		☑
7440-02-0	Nickel	60	460092	209.29	0.35757	104	200		☑
7440-50-8	Copper	65	480867	240.53	32.225	104	200		☑
7440-66-6	Zinc	68	168235	232.97	2.6360	115	200		☑
7440-38-2	Arsenic	75	392757	209.78	-0.05785	105	200		☑
7782-49-2	Selenium	82	35873	220.15	-0.18984	110	200		☑
7439-98-7	Molybdenum	97	301544	213.34	0.26014	107	200		☑
7440-22-4	Silver	107	370598	53.473	0.02154	107	50.0		☑
7440-43-9	Cadmium	111	309622	211.22	0.02720	106	200		☑
7440-36-0	Antimony	121	231463	50.956	0.09262	102	50.0		☑
7440-39-3	Barium	135	279750	214.40	1.8256	106	200		☑
7440-28-0	Thallium	205	665516	55.833	0.02433	112	50.0		☑
7439-92-1	Lead	208	3257479	208.60	0.85827	104	200		☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	948642		☑
7440-56-4	Germanium	72	1533139		☑
7440-74-6	Indium	115	1931206		☑
7440-30-4	Thulium	169	922519		☑

Reviewed by: Date:

STL Sacramento

SERIAL DILUTION

Method: 6020 (SOP: SAC-MT-001) | M01 | Reported: 04/28/06 14:13:54

Department: 120 (Metals) | Source: MetEdit

Sample: **H3KFFP5** | Serial Dilution: **5.00** | Sample Dilution: **1.00**

Instrument: **ICPMS M01**
File: 060426B1 # 55
Acquired: 04/26/2006 20:04:56
Calibrated: 04/26/2006 16:42:19

Channel 261
Method 6020_
M01

Matrix: AIR
Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-41-7	Beryllium	9	2	-0.00149	0.00605	125	0.0070	NC	☑
7429-90-5	Aluminum	27	120683	84.811	89.821	5.58		*	
7440-62-2	Vanadium	51	-16719	8.4772	2.6549	219	2.4	NC	☑
7440-47-3	Chromium	52	36945	0.76939	-0.15456		8.6	NC	☑
7439-89-6	Iron	54	112979	68.060	82.772	17.8		*	
7439-89-6	Iron	57	26669	89.563	102.30	12.4		*	
7439-96-5	Manganese	55	15309	4.5755	3.9786	15.0	1.6	NC	☑
7440-48-4	Cobalt	59	1038	0.46325	0.44783	3.44	3.1	NC	☑
7440-02-0	Nickel	60	467	0.73730	0.35757	106	2.9	NC	☑
7440-50-8	Copper	65	13167	32.630	32.225	1.26	2.4	NC	☑
7440-66-6	Zinc	68	3538	15.023	2.6360	470	5.2	NC	☑
7440-38-2	Arsenic	75	15699	-0.74189	-0.05785		1.6	NC	☑
7782-49-2	Selenium	82	360	-1.0265	-0.18984		1.4	NC	☑
7439-98-7	Molybdenum	97	154	0.46531	0.26014	78.9	0.94	NC	☑
7440-22-4	Silver	107	179	0.09093	0.02154	322	0.012	NC	☑
7440-43-9	Cadmium	111	13	0.01699	0.02720	37.5	0.045	NC	☑
7440-36-0	Antimony	121	387	0.35314	0.09262	281		*	
7440-39-3	Barium	135	739	1.8342	1.8256	0.474	29.0	NC	☑
7440-28-0	Thallium	205	224	0.07144	0.02433	194		*	
7439-92-1	Lead	208	4255	1.0610	0.85827	23.6	0.28	NC	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	990992		☑
7440-56-4	Germanium	72	1529936		☐
7440-74-6	Indium	115	1360176		☐
7440-30-4	Thulium	169	916420		☐

* Analyte not requested for this batch, no MDL
NC : Serial dilution concentration < 100 X MDL
E : Difference greater than Limit (10%)

Reviewed by: Date:

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 04/27/06 11:19:30

File ID: 060426B1 **Analyst:** jonesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	H3D0P n.i.	G6D150171-4	6116313	2A	1.0	04/26/06 16:12		☐
2	H3RG3 n.i.	G6D210149-3	6116313	2A	1.0	04/26/06 16:15		☐
3	H3EVF n.i.	G6D170132-1	6116313	2A	1.0	04/26/06 16:18		☐
4	H3KFF n.i.	G6D190170-1	6116334	2A	1.0	04/26/06 16:20		☐
5	H34FK n.i.	G6D260199-1	6116358	2A	1.0	04/26/06 16:23		☐
6	H34CQ n.i.	G6D260189-1	6116363	2A	1.0	04/26/06 16:26		☐
7	H337F n.i.	G6D260176-1	6116360	2A	1.0	04/26/06 16:29		☐
8	Rinse 3X				3.0	04/26/06 16:37		☐
9	Blank				1.0	04/26/06 16:42		☐
10	Standard 1				1.0	04/26/06 16:46		☐
11	ICV				1.0	04/26/06 16:51		☐
12	ICB				1.0	04/26/06 16:55		☐
13	ICSA				1.0	04/26/06 16:59		☐
14	ICSAB				1.0	04/26/06 17:04		☐
15	Rinse				1.0	04/26/06 17:11		☐
16	FB-F1685532				1.0	04/26/06 17:16		☐
17	FB-F1685532				1.0	04/26/06 17:20		☐
18	CCV 1				1.0	04/26/06 17:24		☐
19	CCB 1				1.0	04/26/06 17:29		☐
20	CCV 2				1.0	04/26/06 17:33		☐
21	CCB 2				1.0	04/26/06 17:37		☐
22	H3396B	G6D260000	6116313	2A	1.0	04/26/06 17:42		☐
23	H3396C	G6D260000	6116313	2A	1.0	04/26/06 17:46		☐
24	H3396L	G6D260000	6116313	2A	1.0	04/26/06 17:50		☐
25	H3EVF	G6D170132-1	6116313	2A	1.0	04/26/06 17:55		☐
26	H3EVFP5	G6D170132	6116313		5.0	04/26/06 17:59		☐
27	H3EVFZ	G6D170132-1	6116313		1.0	04/26/06 18:03		☐
28	H3D0P	G6D150171-4	6116313	2A	1.0	04/26/06 18:07		☐
29	H3D0V	G6D150171-5	6116313	2A	1.0	04/26/06 18:12		☐
30	H3D0W	G6D150171-6	6116313	2A	1.0	04/26/06 18:16		☐
31	H3RG3	G6D210149-3	6116313	2A	1.0	04/26/06 18:20		☐
32	CCV 3				1.0	04/26/06 18:25		☐
33	CCB 3				1.0	04/26/06 18:29		☐
34	CCV 4				1.0	04/26/06 18:33		☐
35	CCB 4				1.0	04/26/06 18:38		☐
36	H3EVH	G6D170132-2	6116313	2A	1.0	04/26/06 18:42		☐
37	H3EVK	G6D170132-3	6116313	2A	1.0	04/26/06 18:46		☐
38	H3EVL	G6D170132-4	6116313	2A	1.0	04/26/06 18:51		☐
39	H3EVM	G6D170132-5	6116313	2A	1.0	04/26/06 18:55		☐
40	H3EVN	G6D170132-6	6116313	2A	1.0	04/26/06 18:59		☐
41	H3EVQ	G6D170132-7	6116313	2A	1.0	04/26/06 19:04		☐
42	H3EVT	G6D170132-8	6116313	2A	1.0	04/26/06 19:08		☐
43	H3EV2	G6D170132-9	6116313	2A	1.0	04/26/06 19:12		☐
44	H3EV3	G6D170132-10	6116313	2A	1.0	04/26/06 19:17		☐
45	H3EV6	G6D170132-11	6116313	2A	1.0	04/26/06 19:21		☐
46	CCV 5				1.0	04/26/06 19:26		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 04/27/06 11:19:30

File ID: 060426B1 **Analyst:** jonesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	CCB 5				1.0	04/26/06 19:30		☐
48	CCV 6				1.0	04/26/06 19:34		☐
49	CCB 6				1.0	04/26/06 19:39		☐
50	H34E1C	G6D260000	6116334	2A	1.0	04/26/06 19:43		☐
51	H34E1L	G6D260000	6116334	2A	1.0	04/26/06 19:47		☐
52	Rinse				1.0	04/26/06 19:51		☐
53	H34E1B	G6D260000	6116334	2A	1.0	04/26/06 19:56		☐
54	H3KFF	G6D190170-1	6116334	2A	1.0	04/26/06 20:00		☐
55	H3KFFP5	G6D190170	6116334		5.0	04/26/06 20:04		☐
56	H3KFFZ	G6D190170-1	6116334		1.0	04/26/06 20:09		☐
57	CCV 7				1.0	04/26/06 20:13		☐
58	CCB 7				1.0	04/26/06 20:17		☐
59	CCV 8				1.0	04/26/06 20:22		☐
60	CCB 8				1.0	04/26/06 20:26		☐
61	H3EV7	G6D170132-12	6116313	2A	1.0	04/26/06 20:30		☐
62	H3EV8	G6D170132-13	6116313	2A	1.0	04/26/06 20:35		☐
63	H3KFG	G6D190170-2	6116334	2A	1.0	04/26/06 20:39		☐
64	H3KFH	G6D190170-3	6116334	2A	1.0	04/26/06 20:44		☐
65	H3KFJ	G6D190170-4	6116334	2A	1.0	04/26/06 20:48		☐
66	H3KFL	G6D190170-5	6116334	2A	1.0	04/26/06 20:52		☐
67	H3KFM	G6D190170-6	6116334	2A	1.0	04/26/06 20:56		☐
68	CCV 9				1.0	04/26/06 21:01		☐
69	CCB 9				1.0	04/26/06 21:05		☐
70	CCV 10				1.0	04/26/06 21:09		☐
71	CCB 10				1.0	04/26/06 21:14		☐
72	H3KFP	G6D190170-7	6116334	2A	1.0	04/26/06 21:18		☐
73	H3KFQ	G6D190170-8	6116334	2A	1.0	04/26/06 21:22		☐
74	H3KFR	G6D190170-9	6116334	2A	1.0	04/26/06 21:27		☐
75	H3KFT	G6D190170-10	6116334	2A	1.0	04/26/06 21:31		☐
76	H3KFV	G6D190170-11	6116334	2A	1.0	04/26/06 21:36		☐
77	H3KFW	G6D190170-12	6116334	2A	1.0	04/26/06 21:40		☐
78	H3KFX	G6D190170-13	6116334	2A	1.0	04/26/06 21:44		☐
79	H3KF0	G6D190170-14	6116334	2A	1.0	04/26/06 21:49		☐
80	CCV 11				1.0	04/26/06 21:53		☐
81	CCB 11				1.0	04/26/06 21:57		☐
82	CCV 12				1.0	04/26/06 22:02		☐
83	CCB 12				1.0	04/26/06 22:05		☐
84	CCV 13				1.0	04/26/06 22:09		☐
85	CCB 13				1.0	04/26/06 22:13		☐
86	H34JVC	G6D260000	6116358	2A	1.0	04/26/06 22:16		☐
87	H34JVL	G6D260000	6116358	2A	1.0	04/26/06 22:20		☐
88	Rinse				1.0	04/26/06 22:23		☐
89	H34JVB	G6D260000	6116358	2A	1.0	04/26/06 22:27		☐
90	H34FK	G6D260199-1	6116358	2A	1.0	04/26/06 22:31		☐
91	H34FKP5	G6D260199	6116358		5.0	04/26/06 22:34		☐
92	H34FKZ	G6D260199-1	6116358		1.0	04/26/06 22:38		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 04/27/06 11:19:30

File ID: 060426B1 Analyst: ionesb

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
93	H34FQ	G6D260199-2	6116358	2A	1.0	04/26/06 22:41		☐
94	H34FR	G6D260199-3	6116358	2A	1.0	04/26/06 22:45		☐
95	H34FV	G6D260199-4	6116358	2A	1.0	04/26/06 22:49		☐
96	CCV 14				1.0	04/26/06 22:52		☐
97	CCB 14				1.0	04/26/06 22:56		☐
98	CCV 15				1.0	04/26/06 22:59		☐
99	CCB 15				1.0	04/26/06 23:03		☐
100	H34KMC	G6D260000	6116363	2A	1.0	04/26/06 23:07		☐
101	H34KML	G6D260000	6116363	2A	1.0	04/26/06 23:10		☐
102	Rinse				1.0	04/26/06 23:14		☐
103	H34KMB	G6D260000	6116363	2A	1.0	04/26/06 23:17		☐
104	H34CQ	G6D260189-1	6116363	2A	1.0	04/26/06 23:21		☐
105	H34CQP5	G6D260189	6116363		5.0	04/26/06 23:25		☐
106	H34CQX	G6D260189-1	6116363	2A	1.0	04/26/06 23:28		☐
107	H34CQZ	G6D260189-1	6116363		1.0	04/26/06 23:32		☐
108	H34CW	G6D260189-2	6116363	2A	1.0	04/26/06 23:35		☐
109	H34CX	G6D260189-3	6116363	2A	1.0	04/26/06 23:39		☐
110	CCV 16				1.0	04/26/06 23:43		☐
111	CCB 16				1.0	04/26/06 23:46		☐
112	CCV 17				1.0	04/26/06 23:50		☐
113	CCB 17				1.0	04/26/06 23:54		☐
114	H34C0	G6D260189-4	6116363	2A	1.0	04/26/06 23:57		☐
115	H34C2	G6D260189-5	6116363	2A	1.0	04/27/06 00:01		☐
116	H34C3	G6D260189-6	6116363	2A	1.0	04/27/06 00:04		☐
117	H34C4	G6D260189-7	6116363	2A	1.0	04/27/06 00:08		☐
118	H34C5	G6D260189-8	6116363	2A	1.0	04/27/06 00:12		☐
119	H34C6	G6D260189-9	6116363	2A	1.0	04/27/06 00:15		☐
120	H34C7	G6D260189-10	6116363	2A	1.0	04/27/06 00:19		☐
121	H34C8	G6D260189-11	6116363	2A	1.0	04/27/06 00:22		☐
122	H34C9	G6D260189-12	6116363	2A	1.0	04/27/06 00:26		☐
123	H34DA	G6D260189-13	6116363	2A	1.0	04/27/06 00:30		☐
124	CCV 18				1.0	04/27/06 00:33		☐
125	CCB 18				1.0	04/27/06 00:37		☐
126	CCV 19				1.0	04/27/06 00:41		☐
127	CCB 19				1.0	04/27/06 00:44		☐
128	H34J3B	G6D260000	6116360	2A	1.0	04/27/06 00:48		☐
129	H34J3C	G6D260000	6116360	2A	1.0	04/27/06 00:52		☐
130	H34J3L	G6D260000	6116360	2A	1.0	04/27/06 00:55		☐
131	H337F	G6D260176-1	6116360	2A	1.0	04/27/06 00:59		☐
132	H337FP5	G6D260176	6116360		5.0	04/27/06 01:02		☐
133	H337FX	G6D260176-1	6116360	2A	1.0	04/27/06 01:06		☐
134	H337FZ	G6D260176-1	6116360		1.0	04/27/06 01:09		☐
135	H337Q	G6D260176-2	6116360	2A	1.0	04/27/06 01:13		☐
136	H337R	G6D260176-3	6116360	2A	1.0	04/27/06 01:16		☐
137	H337V	G6D260176-4	6116360	2A	1.0	04/27/06 01:20		☐
138	CCV 20				1.0	04/27/06 01:24		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 04/27/06 11:19:30

File ID: 060426B1 **Analyst: ionesb**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
139	CCB 20				1.0	04/27/06 01:27		☐
140	CCV 21				1.0	04/27/06 01:31		☐
141	CCB 21				1.0	04/27/06 01:35		☐
142	H337W	G6D260176-5	6116360	2A	1.0	04/27/06 01:38		☐
143	H337X	G6D260176-6	6116360	2A	1.0	04/27/06 01:42		☐
144	H3371	G6D260176-7	6116360	2A	1.0	04/27/06 01:45		☐
145	H338A	G6D260176-8	6116360	2A	1.0	04/27/06 01:49		☐
146	H338D	G6D260176-9	6116360	2A	1.0	04/27/06 01:53		☐
147	H338E	G6D260176-10	6116360	2A	1.0	04/27/06 01:56		☐
148	H338F	G6D260176-11	6116360	2A	1.0	04/27/06 02:00		☐
149	H338G	G6D260176-12	6116360	2A	1.0	04/27/06 02:03		☐
150	H338H	G6D260176-13	6116360	2A	1.0	04/27/06 02:07		☐
151	H338J	G6D260176-14	6116360	2A	1.0	04/27/06 02:11		☐
152	CCV 22				1.0	04/27/06 02:14		☐
153	CCB 22				1.0	04/27/06 02:18		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 04/27/06 11:19:30

File ID: 060426B1 Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H3D0P n.i.	04/26/06 16:12	0.1	0.0	0.1	0.0	☐
2	H3RG3 n.i.	04/26/06 16:15	0.2	0.0	0.1	0.0	☐
3	H3EVF n.i.	04/26/06 16:18	0.0	0.0	0.0	0.0	☐
4	H3KFF n.i.	04/26/06 16:20	0.0	0.0	0.0	0.0	☐
5	H34FK n.i.	04/26/06 16:23	0.1	0.0	0.0	0.0	☐
6	H34CQ n.i.	04/26/06 16:26	0.1	0.0	0.0	0.0	☐
7	H337F n.i.	04/26/06 16:29	0.1	0.4	0.0	0.0	☐
8	Rinse 3X	04/26/06 16:37	96.5	99.5	99.4	98.2	☐
9	Blank	04/26/06 16:42	100.0	100.0	100.0	100.0	☑
10	Standard 1	04/26/06 16:46	93.7	96.3	99.9	96.2	☑
11	ICV	04/26/06 16:51	91.0	94.6	99.9	92.6	☑
12	ICB	04/26/06 16:55	91.2	95.6	101.3	92.4	☑
13	ICSA	04/26/06 16:59	75.5	80.1	80.9	85.5	☑
14	ICSAB	04/26/06 17:04	77.2	85.1	79.0	87.1	☑
15	Rinse	04/26/06 17:11	93.0	101.8	101.3	101.2	☑
16	FB-F1685532	04/26/06 17:16	98.7	102.0	96.3	100.8	☑
17	FB-F1685532	04/26/06 17:20	96.2	99.7	99.0	100.1	☑
18	CCV 1	04/26/06 17:24	88.9	94.4	100.4	94.1	☑
19	CCB 1	04/26/06 17:29	90.9	96.1	99.7	93.7	☑
20	CCV 2	04/26/06 17:33	90.3	94.8	99.5	95.0	☑
21	CCB 2	04/26/06 17:37	91.7	96.5	99.3	94.4	☑
22	H3396B	04/26/06 17:42	97.4	99.6	95.0	99.4	☑
23	H3396C	04/26/06 17:46	90.9	96.7	97.5	95.4	☑
24	H3396L	04/26/06 17:50	88.8	96.0	99.7	94.6	☑
25	H3EVF	04/26/06 17:55	93.3	95.8	97.5	95.6	☑
26	H3EVFP5	04/26/06 17:59	89.7	95.7	104.0	94.2	☐
27	H3EVFZ	04/26/06 18:03	91.1	95.3	97.1	94.4	☑
28	H3D0P	04/26/06 18:07	92.5	97.5	100.5	97.2	☑
29	H3D0V	04/26/06 18:12	95.9	98.2	97.0	97.2	☑
30	H3D0W	04/26/06 18:16	97.4	98.2	96.9	99.5	☑
31	H3RG3	04/26/06 18:20	97.1	99.0	95.3	99.8	☑
32	CCV 3	04/26/06 18:25	90.6	94.0	98.4	94.9	☑
33	CCB 3	04/26/06 18:29	92.7	95.9	102.4	96.0	☑
34	CCV 4	04/26/06 18:33	91.5	93.4	99.4	95.4	☑
35	CCB 4	04/26/06 18:38	92.7	96.2	100.7	96.7	☑
36	H3EVH	04/26/06 18:42	101.4	99.8	96.2	100.6	☑
37	H3EVK	04/26/06 18:46	100.0	101.0	96.8	101.2	☑
38	H3EVL	04/26/06 18:51	101.1	101.0	98.6	102.6	☑
39	H3EVM	04/26/06 18:55	100.1	100.4	96.8	100.7	☑
40	H3EVN	04/26/06 18:59	101.8	101.9	97.6	103.7	☑
41	H3EVQ	04/26/06 19:04	102.1	102.4	96.4	103.3	☑
42	H3EVT	04/26/06 19:08	100.7	102.7	98.3	104.1	☑
43	H3EV2	04/26/06 19:12	102.5	102.3	97.3	103.3	☑
44	H3EV3	04/26/06 19:17	102.8	102.9	98.5	104.5	☑
45	H3EV6	04/26/06 19:21	103.0	102.8	96.7	104.7	☑
46	CCV 5	04/26/06 19:26	92.8	95.1	99.2	96.5	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) | M01 (M01) | Reported: 04/27/06 11:19:30

File ID: 060426B1 **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
47	CCB 5	04/26/06 19:30	92.8	96.1	101.4	96.5	☑
48	CCV 6	04/26/06 19:34	91.5	94.1	98.6	95.1	☑
49	CCB 6	04/26/06 19:39	92.5	95.9	99.6	95.2	☑
50	H34E1C	04/26/06 19:43	93.6	97.8	100.1	98.9	☑
51	H34E1L	04/26/06 19:47	91.3	96.4	100.1	97.1	☑
52	Rinse	04/26/06 19:51	89.6	95.9	105.3	94.7	☑
53	H34E1B	04/26/06 19:56	95.0	99.1	100.8	99.4	☑
54	H3KFF	04/26/06 20:00	96.3	99.5	102.2	100.7	☑
55	H3KFFP5	04/26/06 20:04	92.2	97.7	105.0	97.4	☐
56	H3KFFZ	04/26/06 20:09	92.4	97.7	100.5	98.1	☑
57	CCV 7	04/26/06 20:13	88.5	93.7	102.6	93.7	☑
58	CCB 7	04/26/06 20:17	89.7	94.1	102.6	93.3	☑
59	CCV 8	04/26/06 20:22	90.6	93.1	102.4	94.6	☑
60	CCB 8	04/26/06 20:26	91.8	95.1	102.4	95.1	☑
61	H3EV7	04/26/06 20:30	99.8	99.5	98.8	99.4	☑
62	H3EV8	04/26/06 20:35	97.3	99.4	98.4	99.2	☑
63	H3KFG	04/26/06 20:39	99.5	101.5	101.3	101.9	☑
64	H3KFH	04/26/06 20:44	102.0	102.1	99.9	102.7	☑
65	H3KFJ	04/26/06 20:48	103.8	104.4	101.1	104.7	☑
66	H3KFL	04/26/06 20:52	103.6	104.0	100.5	104.6	☑
67	H3KFM	04/26/06 20:56	106.3	105.9	100.0	105.2	☑
68	CCV 9	04/26/06 21:01	98.1	98.2	103.0	100.1	☑
69	CCB 9	04/26/06 21:05	98.2	99.5	102.4	99.4	☑
70	CCV 10	04/26/06 21:09	95.9	97.0	100.7	97.8	☑
71	CCB 10	04/26/06 21:14	98.3	98.7	103.1	99.3	☑
72	H3KFP	04/26/06 21:18	101.9	102.3	100.8	104.0	☑
73	H3KFQ	04/26/06 21:22	105.4	103.4	99.0	103.0	☑
74	H3KFR	04/26/06 21:27	108.5	104.5	97.8	104.7	☑
75	H3KFT	04/26/06 21:31	107.5	103.9	97.7	104.8	☑
76	H3KFV	04/26/06 21:36	108.7	105.1	98.7	105.0	☑
77	H3KFW	04/26/06 21:40	108.6	105.0	97.8	105.0	☑
78	H3KFX	04/26/06 21:44	108.0	105.6	99.6	107.1	☑
79	H3KF0	04/26/06 21:49	107.4	106.1	99.8	106.7	☑
80	CCV 11	04/26/06 21:53	99.8	100.1	103.7	101.6	☑
81	CCB 11	04/26/06 21:57	99.6	99.3	103.6	100.3	☑
82	CCV 12	04/26/06 22:02	96.9	97.0	102.8	98.4	☑
83	CCB 12	04/26/06 22:05	98.6	100.7	105.4	99.9	☑
84	CCV 13	04/26/06 22:09	97.5	97.6	103.5	99.4	☑
85	CCB 13	04/26/06 22:13	99.1	99.4	105.1	99.4	☑
86	H34JVC	04/26/06 22:16	98.3	102.9	102.1	103.1	☑
87	H34JVL	04/26/06 22:20	97.0	103.5	104.5	103.6	☑
88	Rinse	04/26/06 22:23	96.8	100.0	106.0	100.2	☑
89	H34JVB	04/26/06 22:27	98.8	105.7	104.7	105.3	☑
90	H34FK	04/26/06 22:31	100.2	105.9	106.5	106.0	☑
91	H34FKP5	04/26/06 22:34	100.0	102.7	107.0	102.4	☐
92	H34FKZ	04/26/06 22:38	99.8	105.2	105.5	106.5	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 04/27/06 11:19:30

File ID: 060426B1 **Analyst: ionesb**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
93	H34FQ	04/26/06 22:41	100.2	106.6	104.3	107.4	☑
94	H34FR	04/26/06 22:45	101.6	107.1	106.0	108.3	☑
95	H34FV	04/26/06 22:49	101.5	107.4	106.7	109.0	☑
96	CCV 14	04/26/06 22:52	98.2	100.6	106.7	101.2	☑
97	CCB 14	04/26/06 22:56	101.0	104.3	108.2	103.5	☑
98	CCV 15	04/26/06 22:59	99.5	100.5	106.9	102.3	☑
99	CCB 15	04/26/06 23:03	101.3	103.5	107.1	103.5	☑
100	H34KMC	04/26/06 23:07	99.7	106.3	105.0	106.2	☑
101	H34KML	04/26/06 23:10	99.3	107.2	106.9	107.4	☑
102	Rinse	04/26/06 23:14	99.1	103.6	109.2	103.6	☑
103	H34KMB	04/26/06 23:17	100.9	107.3	106.2	107.6	☑
104	H34CQ	04/26/06 23:21	103.1	106.9	104.4	108.1	☑
105	H34CQP5	04/26/06 23:25	103.0	106.5	107.6	106.2	☐
106	H34CQX	04/26/06 23:28	104.4	107.8	104.3	108.7	☑
107	H34CQZ	04/26/06 23:32	102.1	107.5	104.7	107.9	☑
108	H34CW	04/26/06 23:35	101.7	108.3	105.6	107.8	☑
109	H34CX	04/26/06 23:39	103.3	109.2	106.4	109.6	☑
110	CCV 16	04/26/06 23:43	101.3	104.2	107.1	104.7	☑
111	CCB 16	04/26/06 23:46	102.1	104.9	108.5	104.3	☑
112	CCV 17	04/26/06 23:50	101.7	102.6	107.0	103.3	☑
113	CCB 17	04/26/06 23:54	103.2	106.0	109.0	104.0	☑
114	H34C0	04/26/06 23:57	104.6	109.1	104.4	109.6	☑
115	H34C2	04/27/06 00:01	105.6	109.6	104.0	109.4	☑
116	H34C3	04/27/06 00:04	105.9	108.4	102.6	109.3	☑
117	H34C4	04/27/06 00:08	107.4	110.2	103.8	110.0	☑
118	H34C5	04/27/06 00:12	107.5	109.9	105.1	109.9	☑
119	H34C6	04/27/06 00:15	107.1	109.8	104.7	109.6	☑
120	H34C7	04/27/06 00:19	106.8	110.0	103.6	110.7	☑
121	H34C8	04/27/06 00:22	107.5	109.4	104.3	110.3	☑
122	H34C9	04/27/06 00:26	106.8	109.1	104.6	111.0	☑
123	H34DA	04/27/06 00:30	107.8	111.5	104.2	109.8	☑
124	CCV 18	04/27/06 00:33	102.7	104.5	106.7	105.2	☑
125	CCB 18	04/27/06 00:37	103.6	105.4	107.9	105.2	☑
126	CCV 19	04/27/06 00:41	102.8	103.0	105.3	103.6	☑
127	CCB 19	04/27/06 00:44	104.2	105.8	108.1	104.6	☑
128	H34J3B	04/27/06 00:48	106.0	109.9	104.5	109.6	☑
129	H34J3C	04/27/06 00:52	103.4	108.5	105.1	109.0	☑
130	H34J3L	04/27/06 00:55	100.6	108.3	105.7	108.1	☑
131	H337F	04/27/06 00:59	102.9	109.2	106.1	108.9	☑
132	H337FP5	04/27/06 01:02	104.4	107.3	107.8	105.5	☐
133	H337FX	04/27/06 01:06	104.3	109.3	102.5	108.6	☑
134	H337FZ	04/27/06 01:09	102.3	108.6	103.4	106.9	☑
135	H337Q	04/27/06 01:13	101.5	107.8	102.2	107.3	☑
136	H337R	04/27/06 01:16	104.3	109.3	103.0	107.8	☑
137	H337V	04/27/06 01:20	103.1	108.4	101.6	107.7	☑
138	CCV 20	04/27/06 01:24	101.2	103.1	106.9	103.8	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 04/27/06 11:19:30

File ID: 060426B1 Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
139	CCB 20	04/27/06 01:27	103.2	105.5	108.3	105.1	☑
140	CCV 21	04/27/06 01:31	101.0	101.7	104.2	102.3	☑
141	CCB 21	04/27/06 01:35	103.0	105.0	108.3	104.5	☑
142	H337W	04/27/06 01:38	104.1	108.0	101.9	107.9	☑
143	H337X	04/27/06 01:42	105.8	109.8	102.1	108.7	☑
144	H3371	04/27/06 01:45	105.8	110.9	101.5	107.7	☑
145	H338A	04/27/06 01:49	107.1	109.3	103.8	109.3	☑
146	H338D	04/27/06 01:53	108.3	111.8	104.2	110.0	☑
147	H338E	04/27/06 01:56	106.0	108.3	101.2	107.9	☑
148	H338F	04/27/06 02:00	107.1	111.1	102.3	109.0	☑
149	H338G	04/27/06 02:03	107.9	111.9	103.1	108.3	☑
150	H338H	04/27/06 02:07	105.5	109.9	102.2	108.9	☑
151	H338J	04/27/06 02:11	108.1	111.0	102.3	108.7	☑
152	CCV 22	04/27/06 02:14	102.9	103.3	106.4	103.4	☑
153	CCB 22	04/27/06 02:18	104.7	106.1	109.4	104.9	☑

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 25-Apr-06 **Analyst:** Phomsophat **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6D260000	343	H34FMB	2A	NA	NA	NA	100	6116334	1.2
G6D260000	343	H34FMC	2A	NA	NA	NA	100	6116334	1.2
G6D260000	343	H34FML	2A	NA	NA	NA	100	6116334	1.2
G6D190170	1	H3KFF	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	2	H3KFG	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	3	H3KFH	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	4	H3KFJ	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	5	H3KFL	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	6	H3KFM	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	7	H3KFP	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	8	H3KFQ	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	9	H3KFR	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	10	H3KFT	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	11	H3KFV	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	12	H3KFW	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	13	H3KFX	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	14	H3KF0	2A	9	0.75	0.75	100	6116334	1.2
F1685532	Blank	Filter	2A	9	0.75	0.75	100	N/A	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

STL Sacramento
Metals Preparation Spiking Documentation Form

SEVERN TRENT STL

Lot # G6D190170

Batch Number: 61116334 | EPA Analytical Method ID: 6020 | Spiked Date: 4/25/06

MS Run #: N/A | EPA Prep Method ID: 2A | Hot Plate Microwave ID: MET PREP III

Analyst Initial/Date: TP 4/25/06 | Witness Initial/Date: 04/25/06 NM | Hot Plate Temp Observed: 90 Corected: 90

Correct Folder ID Witness: N/A

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg	5,000				
		Al, As, Ba, Se, Sn, Tl	200				
		Fe,Mo,Ti	100				
		Sb,Co,Pb,Mn,Ni,V,Zn	50				
		Cu	35				
		Cr	20				
		,Be,Cd	5				
		Ag	5.6				
	ICP Part 2 2% HNO_3	K,Na	5,000				
		P,S	1,000				
		B,Li,Sr	100				
	Si H20/Tr HF	Si	1,000			TP 4/25/06	
✓	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si	50	1774-MET-78	2.0mL	N/A	2/2007
		As,Be,Cd,Cr,Co,Cu,Pb, Mn,Mo,Ni,Se,U,V,Zn,Ba, Li Sn,Sr,Ti	10				
		Sb,Ag,Tl	2.5				
	Misc. Elements					TP 4/25/06	

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
✓	70% HNO_3	Mallinckrodt	B51037 B15037 TP 4/25/06	N/A	30% H_2O_2	Mallinckrodt	N/A
N/A	37% HCl	Mallinckrodt	N/A	N/A	49% HF	Fisher	N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

QA-400 DAW 1/10/06

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Source: OPTIMA

Department: 120 (Metals)

Sample: **ICV4 (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 5
Acquired: 04/28/2006 08:31:04
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		9.7565	10.000	97.6	☑
7439-95-4	Magnesium		9.8652	10.000	98.7	☑
7440-66-6	Zinc		0.96640	1.0000	96.6	☑
7429-90-5	Aluminum		10.070	10.000	101	☑
7439-89-6	Iron		10.089	10.000	101	☑
7439-89-6	Iron		9.8273	10.000	98.3	☑
7440-23-5	Sodium		9.7935	10.000	97.9	☑
7440-23-5	Sodium		8.5711	10.000	85.7	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		95.441	☑
R7440655	Y_ Radial		93.836	☑
In_Axial	In Axial		95.859	☑
In_Radial	In Radial		96.268	☑
Sc_Axial	Sc Axial		96.998	☑
Sc_Radial	Sc Radial		98.026	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Source: OPTIMA

Department: 120 (Metals)

Sample: **CCV (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 16
Acquired: 04/28/2006 09:10:33
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		25.136	25.000	101	☑
7439-95-4	Magnesium		25.423	25.000	102	☑
7440-66-6	Zinc		2.5360	2.5000	101	☑
7429-90-5	Aluminum		24.577	25.000	98.3	☑
7439-89-6	Iron		25.551	25.000	102	☑
7439-89-6	Iron		24.971	25.000	99.9	☑
7440-23-5	Sodium		24.021	25.000	96.1	☑
7440-23-5	Sodium		25.785	25.000	103	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		93.548	☑
R7440655	Y_Radial		94.334	☑
In_Axial	In Axial		92.692	☑
In_Radial	In Radial		96.644	☑
Sc_Axial	Sc Axial		96.306	☑
Sc_Radial	Sc Radial		95.958	☑

Does not include preserved samples.

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCV (CCV)**

Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 28
Acquired: 04/28/2006 09:52:21
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.933	25.000	99.7	☑
7439-95-4	Magnesium		25.264	25.000	101	☑
7440-66-6	Zinc		2.5132	2.5000	101	☑
7429-90-5	Aluminum		23.912	25.000	95.6	☑
7439-89-6	Iron		25.287	25.000	101	☑
7439-89-6	Iron		24.760	25.000	99.0	☑
7440-23-5	Sodium		23.483	25.000	93.9	☑
7440-23-5	Sodium		24.840	25.000	99.4	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		94.125	☑
R7440655	Y_Radial		96.753	☑
In_Axial	In Axial		93.062	☑
In_Radial	In Radial		99.275	☑
Sc_Axial	Sc Axial		97.685	☑
Sc_Radial	Sc Radial		98.161	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCV (CCV)**

Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 40
Acquired: 04/28/2006 10:33:28
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.924	25.000	99.7	☑
7439-95-4	Magnesium		25.222	25.000	101	☑
7440-66-6	Zinc		2.5366	2.5000	101	☑
7429-90-5	Aluminum		24.814	25.000	99.3	☑
7439-89-6	Iron		25.361	25.000	101	☑
7439-89-6	Iron		24.736	25.000	98.9	☑
7440-23-5	Sodium		24.253	25.000	97.0	☑
7440-23-5	Sodium		24.465	25.000	97.9	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		93.250	☑
R7440655	Y_ Radial		95.494	☑
In_Axial	In Axial		92.202	☑
In_Radial	In Radial		97.998	☑
Sc_Axial	Sc Axial		97.345	☑
Sc_Radial	Sc Radial		96.747	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCV (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 52
Acquired: 04/28/2006 11:15:17
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.834	25.000	99.3	☑
7439-95-4	Magnesium		25.259	25.000	101	☑
7440-66-6	Zinc		2.5321	2.5000	101	☑
7429-90-5	Aluminum		24.471	25.000	97.9	☑
7439-89-6	Iron		25.357	25.000	101	☑
7439-89-6	Iron		24.640	25.000	98.6	☑
7440-23-5	Sodium		24.186	25.000	96.7	☑
7440-23-5	Sodium		24.183	25.000	96.7	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		94.337	☑
R7440655	Y_ Radial		96.152	☑
In_Axial	In Axial		92.882	☑
In_Radial	In Radial		98.238	☑
Sc_Axial	Sc Axial		97.104	☑
Sc_Radial	Sc Radial		97.389	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCV (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 57
Acquired: 04/28/2006 11:32:05
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		25.257	25.000	101	☑
7439-95-4	Magnesium		25.686	25.000	103	☑
7440-66-6	Zinc		2.5518	2.5000	102	☑
7429-90-5	Aluminum		24.507	25.000	98.0	☑
7439-89-6	Iron		25.594	25.000	102	☑
7439-89-6	Iron		25.041	25.000	100	☑
7440-23-5	Sodium		24.055	25.000	96.2	☑
7440-23-5	Sodium		25.739	25.000	103	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		94.226	☑
R7440655	Y_Radial		96.569	☑
In_Axial	In Axial		93.140	☑
In_Radial	In Radial		99.669	☑
Sc_Axial	Sc Axial		97.016	☑
Sc_Radial	Sc Radial		97.996	☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: ICB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
File: APR2806AX.csv # 6
Acquired: 04/28/2006 08:33:27
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00438	0.50	0.0067	0.0015	☑
7439-95-4	Magnesium		-0.00037	0.50	0.012	0.0058	☑
7440-66-6	Zinc		0.00017	0.0050	0.0033	0.000084	☑
7429-90-5	Aluminum		0.00722	0.10	0.015	0.0056	☑
7439-89-6	Iron		0.00372	0.050	0.012	0.0015	☑
7439-89-6	Iron		0.01192	0.050	0.012	0.0080	☑
7440-23-5	Sodium		0.01802	0.50	0.0082	0.018	☑
7440-23-5	Sodium		-0.50212	0.50	0.0082	1.6	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		98.669	☑
R7440655	Y_ Radial		97.461	☑
In_Axial	In Axial		98.819	☑
In_Radial	In Radial		100.11	☑
Sc_Axial	Sc Axial		98.559	☑
Sc_Radial	Sc Radial		97.337	☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCB**

Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 17
Acquired: 04/28/2006 09:12:56
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00532	0.50	0.0067	0.00061	☑
7439-95-4	Magnesium		-0.00197	0.50	0.012	0.0016	☑
7440-66-6	Zinc		0.00025	0.0050	0.0033	0.00014	☑
7429-90-5	Aluminum		0.00210	0.10	0.015	0.011	☑
7439-89-6	Iron		0.00114	0.050	0.012	0.00024	☑
7439-89-6	Iron		0.00464	0.050	0.012	0.0038	☑
7440-23-5	Sodium		0.00191	0.50	0.0082	0.0048	☑
7440-23-5	Sodium		-0.71761	0.50	0.0082	0.62	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		99.698	☑
R7440655	Y_Radial		97.595	☑
In_Axial	In Axial		99.609	☑
In_Radial	In Radial		101.23	☑
Sc_Axial	Sc Axial		99.587	☑
Sc_Radial	Sc Radial		97.569	☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 29
Acquired: 04/28/2006 09:54:44
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00043	0.50	0.0067	0.0013	☑
7439-95-4	Magnesium		0.00358	0.50	0.012	0.0052	☑
7440-66-6	Zinc		0.00024	0.0050	0.0033	0.0000060	☑
7429-90-5	Aluminum		0.00045	0.10	0.015	0.0089	☑
7439-89-6	Iron		0.00179	0.050	0.012	0.00037	☑
7439-89-6	Iron		0.00906	0.050	0.012	0.0045	☑
7440-23-5	Sodium		0.00846	0.50	0.0082	0.013	☑
7440-23-5	Sodium		-0.23385	0.50	0.0082	0.84	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.07	☑
R7440655	Y_ Radial		101.36	☑
In_Axial	In Axial		99.462	☑
In_Radial	In Radial		102.16	☑
Sc_Axial	Sc Axial		99.887	☑
Sc_Radial	Sc Radial		101.17	☑

> MDL but not in sample.

Reviewed by: Date:

IDB Reports

Severn Trent Laboratories

Version: 6.02.068

STL Sacramento

BLANK REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 41
Acquired: 04/28/2006 10:35:48
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00284	0.50	0.0067	0.00035	☑
7439-95-4	Magnesium		0.00823	0.50	0.012	0.0048	☑
7440-66-6	Zinc		0.00057	0.0050	0.0033	0.000028	☑
7429-90-5	Aluminum		0.00047	0.10	0.015	0.0061	☑
7439-89-6	Iron		0.00146	0.050	0.012	0.000077	☑
7439-89-6	Iron		0.01798	0.050	0.012	0.011	☐
7440-23-5	Sodium		0.01461	0.50	0.0082	0.0067	☑
7440-23-5	Sodium		-0.57645	0.50	0.0082	0.40	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.14	☑
R7440655	Y_ Radial		100.90	☑
In_Axial	In Axial		99.601	☑
In_Radial	In Radial		101.75	☑
Sc_Axial	Sc Axial		100.03	☑
Sc_Radial	Sc Radial		100.74	☑

Reviewed by: Date:

STL Sacramento

BLANK REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **CCB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 53
Acquired: 04/28/2006 11:17:41
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00342	0.50	0.0067	0.0060	☑
7439-95-4	Magnesium		0.00050	0.50	0.012	0.0048	☑
7440-66-6	Zinc		0.00043	0.0050	0.0033	0.000034	☑
7429-90-5	Aluminum		-0.00071	0.10	0.015	0.0021	☑
7439-89-6	Iron		0.00124	0.050	0.012	0.00023	☑
7439-89-6	Iron		0.00617	0.050	0.012	0.00071	☑
7440-23-5	Sodium		0.00344	0.50	0.0082	0.0037	☑
7440-23-5	Sodium		-1.2161	0.50	0.0082	0.19	☐

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.44	☑
R7440655	Y_ Radial		99.011	☑
In_Axial	In Axial		99.723	☑
In_Radial	In Radial		102.52	☑
Sc_Axial	Sc Axial		100.26	☑
Sc_Radial	Sc Radial		98.905	☑

Reviewed by: Date:

Method: 6010 PE ICP2 Reported: 04/28/06 14:51:35

Department: 120 (Metals) Source: OPTIMA

Sample: **CCB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 58
Acquired: 04/28/2006 11:34:28
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00001	0.50	0.0067	0.0012	☑
7439-95-4	Magnesium		0.00120	0.50	0.012	0.0024	☑
7440-66-6	Zinc		0.00039	0.0050	0.0033	0.000026	☑
7429-90-5	Aluminum		-0.00505	0.10	0.015	0.0053	☑
7439-89-6	Iron		0.00201	0.050	0.012	0.00050	☑
7439-89-6	Iron		0.00831	0.050	0.012	0.00027	☑
7440-23-5	Sodium		0.01099	0.50	0.0082	0.018	☑
7440-23-5	Sodium		-0.93103	0.50	0.0082	0.68	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		100.69	☑
R7440655	Y_ Radial		100.91	☑
In_Axial	In Axial		99.876	☑
In_Radial	In Radial		102.45	☑
Sc_Axial	Sc Axial		100.48	☑
Sc_Radial	Sc Radial		100.79	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: **ICSA** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 8
Acquired: 04/28/2006 08:40:39
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		468.27	500.00	93.7	☑
7439-95-4	Magnesium		459.61	500.00	91.9	☑
7440-66-6	Zinc		0.00697		*	
7429-90-5	Aluminum		494.21	500.00	98.8	☑
7439-89-6	Iron		185.72	200.00	92.9	☑
7439-89-6	Iron		185.36	200.00	92.7	☑
7440-23-5	Sodium		0.01067		*	☑
7440-23-5	Sodium		-2.5689		*	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		84.619	☑
R7440655	Y_ Radial		87.532	☑
In_Axial	In Axial		80.349	☑
In_Radial	In Radial		87.136	☑
Sc_Axial	Sc Axial		86.941	☑
Sc_Radial	Sc Radial		87.978	☑

Reviewed by: Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:35

Department: 120 (Metals) | Source: OPTIMA

Sample: **ICSAB_4.0** | Mult: **1.00** | Dilf: **1.00** | Divs: **1.000**

Instrument: **PE 4300**
File: APR2806AX.csv # 9
Acquired: 04/28/2006 08:43:11
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		461.72	500.00	92.3	☑
7439-95-4	Magnesium		467.55	500.00	93.5	☑
7440-66-6	Zinc		0.96732	1.0000	96.7	☑
7429-90-5	Aluminum		487.15	500.00	97.4	☑
7439-89-6	Iron		188.22	200.00	94.1	☑
7439-89-6	Iron		185.79	200.00	92.9	☑
7440-23-5	Sodium		-0.00855		*	
7440-23-5	Sodium		-1.5405		*	

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_ Axial		83.630	☑
R7440655	Y_ Radial		87.178	☑
In_Axial	In Axial		79.882	☑
In_Radial	In Radial		86.648	☑
Sc_Axial	Sc Axial		85.627	☑
Sc_Radial	Sc Radial		88.657	☑

Reviewed by: Date:

PAS

STL Sacramento

SAMPLE SPIKE

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:28

Source: OPTIMA

Department: 120 (Metals)

Sample: **H3KFFZ** | Spike Dilution: **1.00** | Sample Dilution: **1.00**

Instrument: **PE 4300**
File: APR2806AX.csv # 39
Acquired: 04/28/2006 10:29:57
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010O
PE ICP2

Matrix: AIR
Units: mg/L

CASN	Analyte Name	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-70-2	Calcium		47.125	0.33523	93.6	50.0		☑
7439-95-4	Magnesium		48.581	0.09133	97.0	50.0		☑
7440-66-6	Zinc		0.50235	0.00801	98.9	0.500		☑
7429-90-5	Aluminum		2.0061	0.08612	96.0	2.00		☑
7439-89-6	Iron		1.1288	0.10640	102	1.00		☑
7439-89-6	Iron		1.1275	0.10225	103	1.00		☑
7440-23-5	Sodium		46.690	0.54933	92.3	50.0		☑
7440-23-5	Sodium		46.703	0.07473	93.3	50.0		☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		96.881	☑
R7440655	Y_Radial		96.771	☑
In_Axial	In Axial		94.852	☑
In_Radial	In Radial		99.786	☑
Sc_Axial	Sc Axial		98.769	☑
Sc_Radial	Sc Radial		98.612	☑

Reviewed by: Date:

STL Sacramento

SERIAL DILUTION

Method: 6010 | PE ICP2 | Reported: 04/28/06 14:51:24

Source: OPTIMA

Department: 120 (Metals)

Sample: **H3KFFP5** Serial Dilution: **5.00** Sample Dilution: **1.00**

Instrument: **PE 4300**
File: APR2806AX.csv # 38
Acquired: 04/28/2006 10:26:20
Calibrated: 04/28/2006 08:24:39

Channel 268
Method 6010C
PE ICP2

Matrix: AIR
Units: mg/L

CASN	Analyte Name	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-70-2	Calcium		0.38793	0.33523	15.7	0.75	NC	☑
7439-95-4	Magnesium		0.07854	0.09133	14.0	0.081	NC	☑
7440-66-6	Zinc		0.01788	0.00801	123		*	
7429-90-5	Aluminum		0.08895	0.08612	3.28	0.034	NC	☑
7439-89-6	Iron		0.10387	0.10640	2.39	0.012	NC	☑
7439-89-6	Iron		0.13930	0.10225	36.2	0.012	NC	☑
7440-23-5	Sodium		0.61162	0.54933	11.3	1.7	NC	☑
7440-23-5	Sodium		-5.9995	0.07473	8130	1.7	NC	☑

CASN	ISTD Name	Area	Amount	Q
A7440655	Y_Axial		99.774	☑
R7440655	Y_Radial		100.64	☑
In_Axial	In Axial		99.274	☑
In_Radial	In Radial		102.49	☑
Sc_Axial	Sc Axial		99.586	☑
Sc_Radial	Sc Radial		100.58	☑

* Analyte not requested for this batch, no MDL

NC : Serial dilution concentration < 50 X MDL

E : Difference greater than Limit (10%)

Reviewed by: Date:

Version: 6.02.068

IDB Reports

Severn Trent Laboratories

View Page 1 of 1

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Calib_Blank_				1.0	04/28/06 08:21		
2	Calib_Std_1				1.0	04/28/06 08:24		
3	ZZZZZ				1.0	04/28/06 08:26		
4	Calib_Std_2				1.0	04/28/06 08:28		
5	ICV4				1.0	04/28/06 08:31		
6	ICB				1.0	04/28/06 08:33		
7	PQL				1.0	04/28/06 08:37		
8	ICSA				1.0	04/28/06 08:40		
9	ICSAB_4.0				1.0	04/28/06 08:43		
10	FB F1685532				1.0	04/28/06 08:49		
11	H34D0B	G6D260000	6116325	2A	1.0	04/28/06 08:53		
12	H34D0C	G6D260000	6116325	2A	1.0	04/28/06 08:56		
13	H34D0L	G6D260000	6116325	2A	1.0	04/28/06 08:59		
14	H3EVF	G6D170132-1	6116325	2A	1.0	04/28/06 09:03		
15	H3EVFP5	G6D170132	6116325		5.0	04/28/06 09:06		
16	CCV				1.0	04/28/06 09:10		
17	CCB				1.0	04/28/06 09:12		
18	H3EVFZ	G6D170132-1	6116325		1.0	04/28/06 09:16		
19	H3EVH	G6D170132-2	6116325	2A	1.0	04/28/06 09:20		
20	H3EVK	G6D170132-3	6116325	2A	1.0	04/28/06 09:23		
21	H3EVL	G6D170132-4	6116325	2A	1.0	04/28/06 09:27		
22	H3EVM	G6D170132-5	6116325	2A	1.0	04/28/06 09:30		
23	H3EVN	G6D170132-6	6116325	2A	1.0	04/28/06 09:34		
24	H3EVQ	G6D170132-7	6116325	2A	1.0	04/28/06 09:37		
25	H3EVT	G6D170132-8	6116325	2A	1.0	04/28/06 09:41		
26	H3EV2	G6D170132-9	6116325	2A	1.0	04/28/06 09:45		
27	H3EV3	G6D170132-10	6116325	2A	1.0	04/28/06 09:48		
28	CCV				1.0	04/28/06 09:52		
29	CCB				1.0	04/28/06 09:54		
30	H3EV6	G6D170132-11	6116325	2A	1.0	04/28/06 09:58		
31	H3EV7	G6D170132-12	6116325	2A	1.0	04/28/06 10:01		
32	H3EV8	G6D170132-13	6116325	2A	1.0	04/28/06 10:05		
33	FB F1685532				1.0	04/28/06 10:09		
34	H34FMB	G6D260000	6116343	2A	1.0	04/28/06 10:12		
35	H34FMC	G6D260000	6116343	2A	1.0	04/28/06 10:16		
36	H34FML	G6D260000	6116343	2A	1.0	04/28/06 10:19		
37	H3KFF	G6D190170-1	6116343	2A	1.0	04/28/06 10:22		
38	H3KFFP5	G6D190170	6116343		5.0	04/28/06 10:26		
39	H3KFFZ	G6D190170-1	6116343		1.0	04/28/06 10:29		
40	CCV				1.0	04/28/06 10:33		
41	CCB				1.0	04/28/06 10:35		
42	H3KFG	G6D190170-2	6116343	2A	1.0	04/28/06 10:39		
43	H3KFH	G6D190170-3	6116343	2A	1.0	04/28/06 10:43		
44	H3KFJ	G6D190170-4	6116343	2A	1.0	04/28/06 10:46		
45	H3KFL	G6D190170-5	6116343	2A	1.0	04/28/06 10:50		
46	H3KFM	G6D190170-6	6116343	2A	1.0	04/28/06 10:53		

STL Sacramento

RUN SUMMARY

Method: 6010 | PE ICP2 (P05) | Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv **Analyst: WONGA**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
47	H3KFP	G6D190170-7	6116343	2A	1.0	04/28/06 10:57		☐
48	H3KFQ	G6D190170-8	6116343	2A	1.0	04/28/06 11:00		☐
49	H3KFR	G6D190170-9	6116343	2A	1.0	04/28/06 11:04		☐
50	H3KFT	G6D190170-10	6116343	2A	1.0	04/28/06 11:08		☐
51	H3KFV	G6D190170-11	6116343	2A	1.0	04/28/06 11:11		☐
52	CCV				1.0	04/28/06 11:15		☐
53	CCB				1.0	04/28/06 11:17		☐
54	H3KFW	G6D190170-12	6116343	2A	1.0	04/28/06 11:21		☐
55	H3KFX	G6D190170-13	6116343	2A	1.0	04/28/06 11:24		☐
56	H3KF0	G6D190170-14	6116343	2A	1.0	04/28/06 11:28		☐
57	CCV				1.0	04/28/06 11:32		☐
58	CCB				1.0	04/28/06 11:34		☐

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () | PE ICP2 (P05) | Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
1	Calib_Blank_'	04/28/06 08:21	0.0	0.0	0.0	0.0	0.0	0.0	☑
2	Calib Std 1	04/28/06 08:24	0.0	0.0	0.0	0.0	0.0	0.0	☑
3	ZZZZZ	04/28/06 08:26	79.6	85.6	87.6	89.7	85.0	86.3	☑
4	Calib Std 2	04/28/06 08:28	0.0	0.0	0.0	0.0	0.0	0.0	☑
5	ICV4	04/28/06 08:31	95.9	96.3	97.0	98.0	95.4	93.8	☑
6	ICB	04/28/06 08:33	98.8	100.1	98.6	97.3	98.7	97.5	☑
7	PQL	04/28/06 08:37	100.1	100.2	100.1	97.7	99.6	97.4	☑
8	ICSA	04/28/06 08:40	80.3	87.1	86.9	88.0	84.6	87.5	☑
9	ICSAB 4.0	04/28/06 08:43	79.9	86.6	85.6	88.7	83.6	87.2	☑
10	FB F1685532	04/28/06 08:49	101.0	102.8	100.8	98.6	100.3	98.5	☑
11	H34D0B	04/28/06 08:53	101.0	101.9	101.1	98.8	101.0	98.8	☑
12	H34D0C	04/28/06 08:56	94.1	97.8	96.9	96.7	94.9	94.7	☑
13	H34D0L	04/28/06 08:59	93.0	98.5	97.7	98.7	95.6	96.6	☑
14	H3EVF	04/28/06 09:03	101.1	103.6	101.1	103.2	100.9	103.1	☑
15	H3EVFP5	04/28/06 09:06	99.5	101.4	99.5	99.6	99.4	99.4	☑
16	CCV	04/28/06 09:10	92.7	96.6	96.3	96.0	93.5	94.3	☑
17	CCB	04/28/06 09:12	99.6	101.2	99.6	97.6	99.7	97.6	☑
18	H3EVFZ	04/28/06 09:16	94.6	98.3	95.1	99.1	93.3	97.3	☑
19	H3EVH	04/28/06 09:20	100.7	104.0	101.0	101.2	100.8	101.2	☑
20	H3EVK	04/28/06 09:23	99.9	104.1	100.3	101.3	100.0	101.2	☑
21	H3EVL	04/28/06 09:27	101.0	103.1	101.4	102.4	101.1	102.3	☑
22	H3EVM	04/28/06 09:30	100.9	103.5	101.1	101.5	100.6	101.1	☑
23	H3EVN	04/28/06 09:34	101.0	102.7	101.1	100.7	100.8	100.5	☑
24	H3EVQ	04/28/06 09:37	102.0	103.7	102.3	102.6	102.0	102.6	☑
25	H3EVT	04/28/06 09:41	100.7	103.2	101.1	100.9	100.9	100.9	☑
26	H3EV2	04/28/06 09:45	100.9	103.4	101.1	100.4	100.8	100.4	☑
27	H3EV3	04/28/06 09:48	102.1	103.6	102.5	102.0	102.3	102.0	☑
28	CCV	04/28/06 09:52	93.1	99.3	97.7	98.2	94.1	96.8	☑
29	CCB	04/28/06 09:54	99.5	102.2	99.9	101.2	100.1	101.4	☑
30	H3EV6	04/28/06 09:58	101.4	103.7	101.9	101.5	101.5	101.4	☑
31	H3EV7	04/28/06 10:01	100.9	104.4	101.2	102.5	101.0	102.4	☑
32	H3EV8	04/28/06 10:05	102.6	103.5	102.9	100.0	102.6	100.1	☑
33	FB F1685532	04/28/06 10:09	100.1	104.1	100.6	102.0	100.3	101.9	☑
34	H34FMB	04/28/06 10:12	100.9	104.9	101.2	102.4	101.1	102.6	☑
35	H34FMC	04/28/06 10:16	94.4	99.7	98.5	99.7	96.6	97.6	☑
36	H34FML	04/28/06 10:19	95.0	100.2	97.9	97.9	96.0	96.0	☑
37	H3KFF	04/28/06 10:22	102.0	108.4	102.4	105.0	102.3	104.9	☑
38	H3KFFP5	04/28/06 10:26	99.3	102.5	99.6	100.6	99.8	100.6	☑
39	H3KFFZ	04/28/06 10:29	94.9	99.8	98.8	98.6	96.9	96.8	☑
40	CCV	04/28/06 10:33	92.2	98.0	97.3	96.7	93.3	95.5	☑
41	CCB	04/28/06 10:35	99.6	101.7	100.0	100.7	100.1	100.9	☑
42	H3KFG	04/28/06 10:39	101.3	105.0	101.9	103.3	101.6	103.2	☑
43	H3KFH	04/28/06 10:43	102.6	105.8	102.9	102.1	102.6	102.0	☑
44	H3KFJ	04/28/06 10:46	101.9	104.5	102.5	103.3	102.2	103.1	☑
45	H3KFL	04/28/06 10:50	101.6	104.8	102.2	102.6	101.9	102.5	☑
46	H3KFM	04/28/06 10:53	102.9	105.4	103.2	104.7	102.9	104.4	☑

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 () | PE ICP2 (P05) | Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv **Analyst: WONGA**

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_ Axial	Y_ Radial	Q
47	H3KFP	04/28/06 10:57	102.1	105.3	102.3	103.1	101.9	102.7	☑
48	H3KFQ	04/28/06 11:00	102.8	105.4	102.8	101.8	102.3	101.4	☑
49	H3KFR	04/28/06 11:04	103.3	102.7	103.3	99.8	102.8	99.7	☑
50	H3KFT	04/28/06 11:08	104.0	105.9	104.1	103.9	103.4	103.5	☑
51	H3KFV	04/28/06 11:11	102.7	105.8	103.2	101.8	102.8	101.7	☑
52	CCV	04/28/06 11:15	92.9	98.2	97.1	97.4	94.3	96.2	☑
53	CCB	04/28/06 11:17	99.7	102.5	100.3	98.9	100.4	99.0	☑
54	H3KFW	04/28/06 11:21	102.0	105.5	102.3	102.3	101.9	101.9	☑
55	H3KFX	04/28/06 11:24	101.8	104.8	102.1	101.5	101.6	101.1	☑
56	H3KF0	04/28/06 11:28	103.1	105.3	103.5	103.4	103.0	103.2	☑
57	CCV	04/28/06 11:32	93.1	99.7	97.0	98.0	94.2	96.6	☑
58	CCB	04/28/06 11:34	99.9	102.5	100.5	100.8	100.7	100.9	☑

SEVERN TRENT STL

STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): (M01) M02		Method 6020 SOP SAC-MT-0001	
File Number 060426B1	Batch Numbers 6116313, 6116334, 6116358, 6116363, 6116360	Date 4/26/06	Analyst BRJ

Lot Numbers G6D170132, G6D150171, G6D210149, G6D190170, G6D260199, G6D260189, G6D260176	YES	NO	NA
1. Copy of analysis protocol used included?	✓		
2. ICVs & CCVs within 10% of true value or recal and rerun?	✓		
3. ICB & CCBs < reporting limit or recal and rerun?	✓		
4. 10 samples or less analyzed between calibration checks?	✓		
5. All parameters within linear range?	✓		
6. LCS/LCSD within limits?	✓		
7. Prep blank value < reporting limit or all samples >20x blank?	✓		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	✓		
9. Appropriate dilution factors applied to data?	✓		
10. Matrix spike and spike dup within customer defined limits?			✓
11. Each batch checked for presence of internal standard in samples?	✓		
12. Anomalies entered using Clouseau?			✓

COMMENTS: _____

REVIEWED BY: MTZ
DATE: 4/27/06

DATA ENTERED BY: BRJ
DATE: 4/27/06

STL Sacramento

ICP Data Review Checklist

SEVERN TRENT STL

Run/Project Information:

Run Date: 04/28/06 Analyst: AWONG Instrument: 005

Prep Batches Run: 6116305, 6116393

Circle Method used: (6010B) / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			✓
4. CRI analyzed? (for CLP only)	✓			✓
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?			✓	✓
2. All reported results bracketed by in control QC ?	✓			✓
3. Sample analyses done within holding time ?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			✓
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			✓
3. MS run at required frequency and within limits ?			✓	✓
4. MSD or DU run at required frequency and RPD within SOP limits ?			✓	✓
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			✓
6. Post digest spike analyzed if required (CLP only) ?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately ?			✓	✓
2. Current IDL/LR/IEC data on file ?	✓			✓
3. Calculations checked for error ?	✓			✓
4. Transcriptions checked for error ?	✓			✓
5. All client/project specific requirements met ?	✓			✓
6. Date/time of analysis verified as correct ?	✓			✓

Analyst: A Wong Date: 04/28/06

Comments:

2nd Level Reviewer : MAT Date: 11/28/06

Comments:

STL Sacramento

Method 6010B Instrument QC Standards

SEVERN TRENT SERVICES

Chemist: AWong

Run Date: 04/28/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 04/28/06

Standard Name	Standard Logbook ID
STD0 (Cal Blank) / ICB / CCB	2409-48-6
STD1 (Cal Std 1)	2680-11
STD2 (Cal Std 2)	2680-12
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-014-6
ICSA	2680-14
ICSAB	2680-15
CCV	2680-13
Internal Standard	2696-14-4

STL Sacramento
Metals Preparation Spiking Documentation Form

SEVERN TRENT STL

Lot # G6D190170

Batch Number: 6011634 3

MS Run #: N/A

Analyst Initial/Date: TP 4/25/06

Correct Folder ID Witness: N/A

EPA Analytical Method ID: 6010

EPA Prep Method ID: 2A

Witness Initial/Date: 04/25/06 NM

Spiked Date: 4/25/06

Hot Plate Microwave ID: METPREP HS

Hot Plate Temp: Observed: 96 Corected: 90

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
✓	ICP Part 1 5% HNO_3	Ca, Mg Al, As, Ba, Se, Sn, Tl Fe,Mo,Ti Sb,Co,Pb,Mn,Ni,V,Zn Cu Cr ,Be,Cd Ag	5,000 200 100 50 25 20 5 5.6	TP 4/25/06 1774-MET-6-17	1.0 mL	N/A	11/2006
✓	ICP Part 2 2% HNO_3	K,Na P,S B,Li,Sr	5,000 1,000 100	TP 4/25/06 1774-MET-7-10	1.0 mL	N/A	11/2006
✓	Si H20/Tr HF	Si	1,000	1774-MET 7-7	1.0 mL	N/A	2/2007
	XCAL-45 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B,Si ~~As,Be,Cd,Cr,Co,Cu,Pb,~~ Mn,Mo,Ni,Se,U,V,Zn,Ba, ~~Li,Sn,Sr,Tl~~ Sb,Ag,Tl	50 10 2.5				
	~~Misc. Elements~~					TP	4/25/06

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
✓	70% HNO_3	Mallinckrodt	B51037	N/A	30% H_2O_2	Mallinckrodt	N/A
N/A	37% HCl	Mallinckrodt	N/A	N/A	49% HF	Fisher	N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

QA-400 DAW 1/10/06

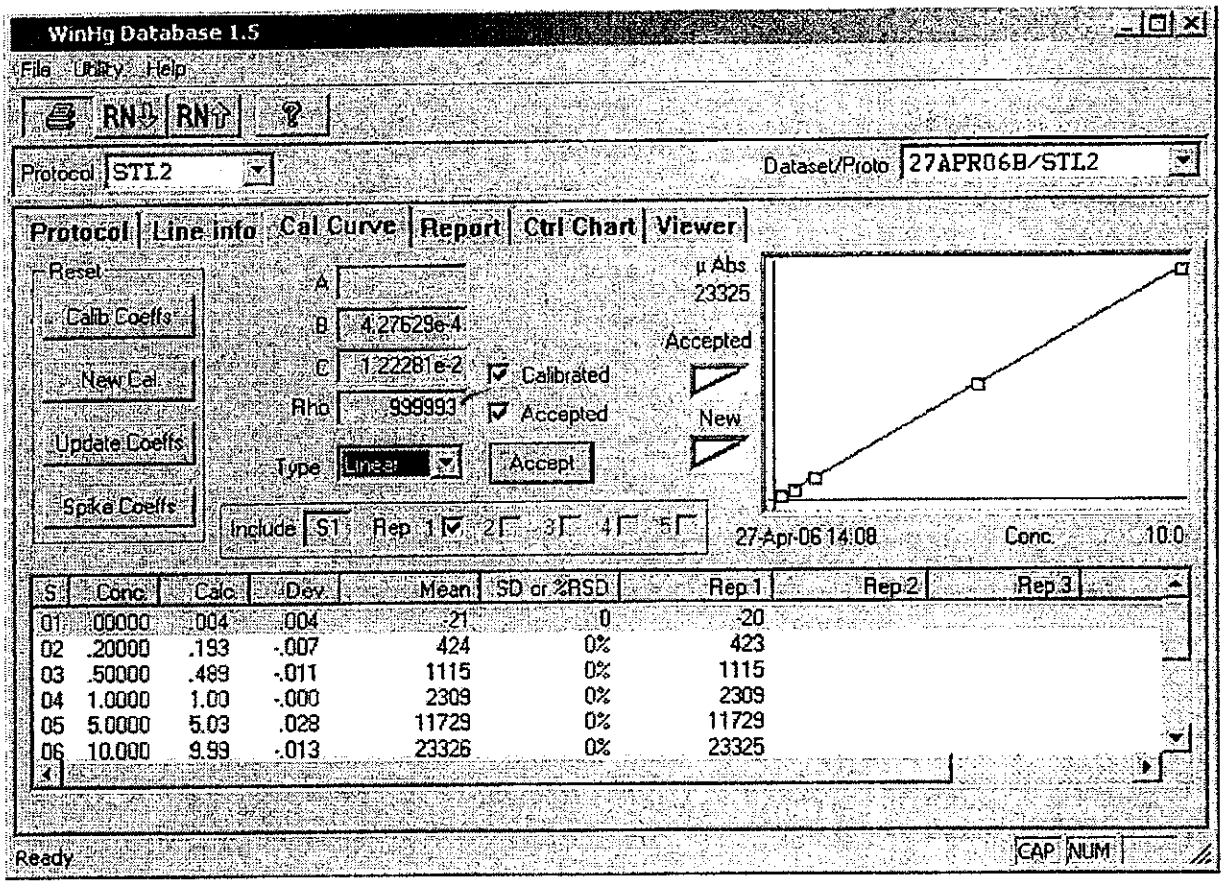
STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 25-Apr-06 **Analyst:** Phomsophat **Matrix:** AIR

Fraction: Filter **SOP:** **Method:** ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6D260000	343	H34FMB	2A	NA	NA	NA	100	6116343	1.2
G6D260000	343	H34FMC	2A	NA	NA	NA	100	6116343	1.2
G6D260000	343	H34FML	2A	NA	NA	NA	100	6116343	1.2
G6D190170	1	H3KFF	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	2	H3KFG	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	3	H3KFH	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	4	H3KFJ	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	5	H3KFL	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	6	H3KFM	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	7	H3KFP	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	8	H3KFQ	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	9	H3KFR	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	10	H3KFT	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	11	H3KFV	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	12	H3KFW	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	13	H3KFX	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	14	H3KF0	2A	9	0.75	0.75	100	6116343	1.2
F1685532	Blank	Filter	2A	9	0.75	0.75	100	N/A	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)



CHEMIST INITIAL: NM
DATE OF RUN: 04/27/06
INSTRUMENT ID.: H-03
TYPE OF ANALYSIS: HS
CALIBRATION STD.: 1767-18-11
ICV STD.: 1767-18-10
CCV STD.: 1767-18-11

G6D170132, G6D190170

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 04/27/06 15:33:29

Sequence: 27APR06B | Date: 04/27/06 13:59 | Analyst: merrittn | ICV: _____ | CAL/CCV: _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Std01Rep1				0.00	1.0	0.00	ug/L		04/27/06 13:59		☐
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L		04/27/06 14:00		☐
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L		04/27/06 14:02		☐
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L		04/27/06 14:04		☐
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L		04/27/06 14:05		☐
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L		04/27/06 14:07		☐
7	ICV	= 2.00			1.88	1.0	1.88	ug/L	94.0%	04/27/06 14:09		☐
8	ICB				0.01	1.0	0.01	ug/L		04/27/06 14:11		☐
9	H37E4B	G6D260000	6116310		0.00	1.0	0.00	ug/L		04/27/06 14:13		☐
10	H37E4C	G6D260000 = 1.80	6116310		1.05	1.0	0.63	ug/L	35.0%	04/27/06 14:14		☐
11	H37E4L	G6D260000 = 1.80	6116310		1.01	1.0	0.61	ug/L	33.7%	04/27/06 14:16		☐
12	H3EVF	G6D170132-1	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:17		☐
13	H3EVH	G6D170132-2	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:19		☐
14	H3EVK	G6D170132-3	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:21		☐
15	H3EVL	G6D170132-4	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:23		☐
16	H3EVM	G6D170132-5	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:25		☐
17	H3EVN	G6D170132-6	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:26		☐
18	H3EVQ	G6D170132-7	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:28		☐
19	CCV	= 5.00			5.05	1.0	5.05	ug/L	101.0%	04/27/06 14:30		☐
20	CCB				-0.00	1.0	-0.00	ug/L		04/27/06 14:32		☐
21	H3EVT	G6D170132-8	6116310	AIR	-0.00	1.0	-0.00	ug/L		04/27/06 14:33		☐
22	H3EV2	G6D170132-9	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:35		☐
23	H3EV3	G6D170132-10	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:37		☐
24	H3EV6	G6D170132-11	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:38		☐
25	H3EV7	G6D170132-12	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:40		☐
26	H3EV8	G6D170132-13	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:42		☐
27	H37E8B	G6D260000	6116311		0.01	1.0	0.01	ug/L		04/27/06 14:43		☐
28	H37E8C	G6D260000 = 1.80	6116311		0.99	1.0	0.60	ug/L	33.1%	04/27/06 14:45		☐
29	H37E8L	G6D260000 = 1.80	6116311		1.01	1.0	0.61	ug/L	33.7%	04/27/06 14:47		☐
30	H3KFF	G6D190170-1	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:48		☐
31	CCV	= 5.00			4.97	1.0	4.97	ug/L	99.4%	04/27/06 14:50		☐
32	CCB				-0.02	1.0	-0.02	ug/L		04/27/06 14:52		☐
33	H3KFG	G6D190170-2	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:54		☐
34	H3KFH	G6D190170-3	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:55		☐

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 04/27/06 15:33:29

Sequence: 27APR06B **Date:** 04/27/06 13:59 **Analyst:** merrittn **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	H3KFJ	G6D190170-4	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:58		☐
36	H3KFL	G6D190170-5	6116311	AIR	0.01	1.0	0.01	ug/L		04/27/06 15:00		☐
37	H3KFM	G6D190170-6	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 15:01		☐
38	H3KFP	G6D190170-7	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 15:03		☐
39	H3KFQ	G6D190170-8	6116311	AIR	0.05	1.0	0.03	ug/L		04/27/06 15:05		☐
40	H3KFR	G6D190170-9	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 15:06		☐
41	H3KFT	G6D190170-10	6116311	AIR	0.07	1.0	0.04	ug/L		04/27/06 15:08		☐
42	H3KFV	G6D190170-11	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 15:10		☐
43	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:11		☐
44	CCB				0.02	1.0	0.02	ug/L		04/27/06 15:13		☐
45	H3KFW	G6D190170-12	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 15:15		☐
46	H3KFX	G6D190170-13	6116311	AIR	0.05	1.0	0.03	ug/L		04/27/06 15:17		☐
47	H3KF0	G6D190170-14	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 15:18		☐
48	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:20		☐
49	CCB				0.00	1.0	0.00	ug/L		04/27/06 15:22		☐

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA) | Instrument: STL2 (H03) | Reported: 04/27/06 15:33:37

Sequence: 27APR06B **Date:** 04/27/06 14:09 **Analyst:** merrittn ICV: _____ CAL/CCV: _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
7	ICV	= 2.00			1.88	1.0	1.88	ug/L	94.0%	04/27/06 14:09		☐
8	ICB				0.01	1.0	0.01	ug/L		04/27/06 14:11		☐
19	CCV	= 5.00			5.05	1.0	5.05	ug/L	101.0%	04/27/06 14:30		☐
20	CCB				-0.00	1.0	-0.00	ug/L		04/27/06 14:32		☐
31	CCV	= 5.00			4.97	1.0	4.97	ug/L	99.4%	04/27/06 14:50		☐
32	CCB				-0.02	1.0	-0.02	ug/L		04/27/06 14:52		☐
43	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:11		☐
44	CCB				0.02	1.0	0.02	ug/L		04/27/06 15:13		☐
48	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:20		☐
49	CCB				0.00	1.0	0.00	ug/L		04/27/06 15:22		☐

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.
0	Std1Rep1	NA	AQUEOUS	50	50
0.2	Std2Rep1	NA	AQUEOUS	50	50
0.5	Std3Rep1	NA	AQUEOUS	50	50
1	Std4Rep1	NA	AQUEOUS	50	50
5	Std5Rep1	NA	AQUEOUS	50	50
10	Std6Rep1	NA	AQUEOUS	50	50
ICV	ICV	NA	AQUEOUS	50	50
ICB	ICB	NA	AQUEOUS	50	50
G6D260000-310	H37E4B		AQUEOUS	50	50
G6D260000-310	H37E4C		AQUEOUS	50	50
G6D260000-310	H37E4L		AQUEOUS	50	50
G6D170132-1	H3EVF		Filter	0.75	50
G6D170132-2	H3EVH		Filter	0.75	50
G6D170132-3	H3EVK		Filter	0.75	50
G6D170132-4	H3EVL		Filter	0.75	50
G6D170132-5	H3EVM		Filter	0.75	50
G6D170132-6	H3EVN		Filter	0.75	50
G6D170132-7	H3EVQ		Filter	0.75	50
G6D170132-8	H3EVT		Filter	0.75	50
G6D170132-9	H3EV2		Filter	0.75	50
G6D170132-10	H3EV3		Filter	0.75	50
G6D170132-11	H3EV6		Filter	0.75	50
G6D170132-12	H3EV7		Filter	0.75	50
G6D170132-13	H3EV8		Filter	0.75	50
G6D260000-311	H37E8B		AQUEOUS	50	50
G6D260000-311	H37E8C		AQUEOUS	50	50
G6D260000-311	H37E8L		AQUEOUS	50	50
G6D190170-1	H3KFF		Filter	0.75	50
G6D190170-2	H3KFG		Filter	0.75	50
G6D190170-3	H3KFH		Filter	0.75	50
G6D190170-4	H3KFJ		Filter	0.75	50
G6D190170-5	H3KFL		Filter	0.75	50
G6D190170-6	H3KFM		Filter	0.75	50
G6D190170-7	H3KFP		Filter	0.75	50
G6D190170-8	H3KFQ		Filter	0.75	50
G6D190170-9	H3KFR		Filter	0.75	50
G6D190170-10	H3KFT		Filter	0.75	50
G6D190170-11	H3KFV		Filter	0.75	50

Chemist:	merrittn	**Date:**	04/27/06
SOP#:	SAC-MT-0005		
Autoclave: Start Time:	9:45	**End:**	11:00
Balance ID:	QA-007	**Calibrated:**	NA

STANDARDS:

Initial Calibration Standard (ICV):

Lot#:1767-18-10 — Conc: 100ppb

Calibration Stds./CCV/Matrix Spike/LCSW

Lot#:1767-18-11 — Conc: 100ppb

SOIL (0.6g/50ml)

Curve/QC (ppb)	Spike Volume
0.0	0.0 ul
0.2	100 ul
0.5	250 ul
1.0	0.5 ml
5.0	2.5 ml
10.0	5.0 ml
CCV/5.0	2.5 ml
LCS/1.0	0.6g/0.5 ml
MS/SD/3.0	1.5 ml
ICV/2.0	1.0 ml

WATER (30/30ml) , DI Leach (30/30)

STLC (3/30 ml) , TCLP (6/30ml)

Curve/QC (ppb)	Spike Volume
0.0	0.0 ul
0.2	60 ul
0.5	150 ul
1.0	300 ul
5.0	1.5 ml
10.0	3.0 ml
CCV/5.0	1.5 ml
LCS/1.0	300 ul
MS/SD/1.0	300 ul
ICV/2.0	600 ul

REAGENTS:

HNO3 Lot#: B46024

H2SO4 Lot#: B05H10

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merrittn	Date:	04/27/06
G6D190170-12	H3KFW		Filter	0.75	50		KMnO4 Lot# 2626-MET-34-4		
G6D190170-13	H3KFX		Filter	0.75	50		K2S2O8 Lot#: 2626-MET-36-2		
G6D190170-14	H3KF0		Filter	0.75	50		NaCl(NH2OH)2 2626-36-5:		
CCV			AQUEOUS	50	50		SnCL2 Lot#:2626-37-4		
CCV			AQUEOUS	50	50				
CCB			AQUEOUS	50	50				
CCB			AQUEOUS	50	50				

SEVERN TRENT STL

STL Sacramento

Hg Data Review Checklist

Run Date: 04/27/06 **Analyst:** Merritt **Instrument** M-03

Prep Batches Run: 6116310, 6116311

Circle Methods Used: **7470A / 245.1** 7471 / 245.5

	Yes	No	N/A	2nd Level
A. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within ± RL?	✓			✓
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?			✓	✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Others				
1. Are all nonconformances documented appropriately?			✓	✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and transcriptions checked for error?	✓			✓
4. All client / project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: Merritt Date: 04/27/06

Comments:

2nd Level Reviewer: MTJ Date: 4/28/06

Comments:

c:\temp\qa-506_hg_review1.doc

QA-506 Hg Review
3/14/03 EM

Brown and Caldwell

Client Sample ID: P-0591

TOTAL Metals

Lot-Sample #...: G6D190170-001 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.016 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFF1A1**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.026 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFF1AH**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFF1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFF1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**38.7**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFF1AQ**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**4.8 B**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFF1AR**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.0 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFF1AV**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0591

TOTAL Metals

Lot-Sample #...: G6D190170-001 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFF1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.2 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AX
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFF1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	103 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFF1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFF1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	128	120	ug	SW846 6010B	04/25-04/28/06	H3KFF1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	110 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFF1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFF1AG
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0592

TOTAL Metals

Lot-Sample #...: G6D190170-002 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.011 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFG1AC**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.025 B**	1.2	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFG1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFG1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFG1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**49.4**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFG1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**5.9 B**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFG1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2**	1.2	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFG1AX**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0592

TOTAL Metals

Lot-Sample #...: G6D190170-002 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFG1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.3 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	110 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFG1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFG1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	132	120	ug	SW846 6010B	04/25-04/28/06	H3KFG1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	109 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFG1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFG1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0593

TOTAL Metals

Lot-Sample #...: G6D190170-003 **Matrix.....:** AIR
Date Sampled...: 04/14/06 **Date Received..:** 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.024 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFH1AC**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.033 B**	1.2	ug	**SW846 6020**	**04/25-04/26/06**	**H3KFH1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFH1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFH1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.015 B**	1.2	ug	**SW846 6020**	**04/25-04/26/06**	**H3KFH1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFH1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**52.2**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFH1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**5.4 B**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFH1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.2**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFH1AX**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0593

TOTAL Metals

Lot-Sample #...: G6D190170-003 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFH1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.1 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFH1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	123 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFH1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFH1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	155	120	ug	SW846 6010B	04/25-04/28/06	H3KFH1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	149 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFH1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFH1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0594

TOTAL Metals

Lot-Sample #...: G6D190170-004 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	0.016 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFJ1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	0.039 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFJ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFJ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	61.2	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	6.4	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.3	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0594

TOTAL Metals

Lot-Sample #...: G6D190170-004 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFJ1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.3 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	129 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFJ1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFJ1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	174	120	ug	SW846 6010B	04/25-04/28/06	H3KFJ1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	127 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFJ1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFJ1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0595

TOTAL Metals

Lot-Sample #...: G6D190170-005 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.0066 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFL1AC**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.027 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFL1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFL1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFL1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AP
		Dilution Factor: 1		MDL..... .....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**29.8**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFL1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**5.7 B**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFL1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.3**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFL1AX**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0595

TOTAL Metals

Lot-Sample #...: G6D190170-005 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFL1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.2 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFL1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	124 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFL1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFL1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	150	120	ug	SW846 6010B	04/25-04/28/06	H3KFL1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	123 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFL1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFL1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0596

TOTAL Metals

Lot-Sample #...: G6D190170-006 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.019 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFM1AC**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.029 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFM1AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFM1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.012 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFM1AN**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFM1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**35.5**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFM1AT**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**5.7 B**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFM1AU**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**1.1 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFM1AX**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0596

TOTAL Metals

Lot-Sample #...: G6D190170-006 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFM1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.1 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFM1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	126 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFM1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFM1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	147	120	ug	SW846 6010B	04/25-04/28/06	H3KFM1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	122 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFM1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFM1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0597

TOTAL Metals

Lot-Sample #...: G6D190170-007 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.024 B,J**	0.12 Dilution Factor: 1	ug	**SW846 7471A** MDL.....: 0.00036	**04/27/06**	**H3KFP1AC**
Prep Batch #...: 6116334						
Silver	**0.043 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.014	**04/25-04/26/06**	**H3KFP1AK**
Arsenic	ND	3.6 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.9	04/25-04/26/06	H3KFP1AL
Barium	ND	120 Dilution Factor: 1	ug	SW846 6020 MDL.....: 34.8	04/25-04/26/06	H3KFP1AM
Beryllium	ND	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.0084	04/25-04/26/06	H3KFP1AN
Cadmium	ND	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.054	04/25-04/26/06	H3KFP1AP
Cobalt	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.7	04/25-04/26/06	H3KFP1AQ
Chromium	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 10.3	04/25-04/26/06	H3KFP1AR
Copper	**56.5**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 2.9	**04/25-04/26/06**	**H3KFP1AT**
Manganese	**5.3 B**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 1.9	**04/25-04/26/06**	**H3KFP1AU**
Molybdenum	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.1	04/25-04/26/06	H3KFP1AV
Nickel	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.5	04/25-04/26/06	H3KFP1AW
Lead	**1.2**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.34	**04/25-04/26/06**	**H3KFP1AX**

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0597

TOTAL Metals

Lot-Sample #...: G6D190170-007 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFP1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.2 B,J**	**12.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFP1A1**
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFP1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	**111 B**	**240**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFP1AE**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFP1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	**157**	**120**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFP1AG**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**106 B**	**600**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFP1AH**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFP1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000423

TOTAL Metals

Lot-Sample #...: G6D190170-008 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	0.032 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFQ1A1
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	0.23 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFQ1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFQ1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.020 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	449	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AQ
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	14.6	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AR
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.0	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AV
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000423

TOTAL Metals

Lot-Sample #...: G6D190170-008 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFQ1AW
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.7 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AX
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1A0
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	370	240	ug	SW846 6010B	04/25-04/28/06	H3KFQ1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFQ1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	454	120	ug	SW846 6010B	04/25-04/28/06	H3KFQ1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	276 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFQ1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFQ1AG
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000424

TOTAL Metals

Lot-Sample #...: G6D190170-009 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	0.019 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFR1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	0.15 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFR1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFR1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFR1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.016 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFR1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFR1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	305	6.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	11.9	6.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.4	1.2	ug	SW846 6020	04/25-04/26/06	H3KFR1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000424

TOTAL Metals

Lot-Sample #...: G6D190170-009 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFR1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.2 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFR1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	224 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFR1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFR1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	257	120	ug	SW846 6010B	04/25-04/28/06	H3KFR1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	191 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFR1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFR1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000425

TOTAL Metals

Lot-Sample #...: G6D190170-010 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.041 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KFT1AE**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.15 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1AM**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFT1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFT1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	**0.016 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1AQ**
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	**0.061 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1AR**
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFT1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFT1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	**277**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1AV**
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	**13.7**	**6.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1AW**
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFT1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFT1A0
		Dilution Factor: 1		MDL.....: 3.5		
Lead	**2.5**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFT1A1**
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000425

TOTAL Metals

Lot-Sample #...: G6D190170-010 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFT1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.7 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFT1AC
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	9.9 B	24.0	ug	SW846 6020	04/25-04/26/06	H3KFT1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	334	240	ug	SW846 6010B	04/25-04/28/06	H3KFT1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFT1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	442	120	ug	SW846 6010B	04/25-04/28/06	H3KFT1AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	356 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFT1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFT1AL
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000426

TOTAL Metals

Lot-Sample #...: G6D190170-011 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	0.014 B,J	0.12 Dilution Factor: 1	ug	SW846 7471A MDL.....: 0.00036	04/27/06	H3KFV1AC
Prep Batch #...: 6116334						
Silver	0.25 B	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.014	04/25-04/26/06	H3KFV1AK
Arsenic	ND	3.6 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.9	04/25-04/26/06	H3KFV1AL
Barium	ND	120 Dilution Factor: 1	ug	SW846 6020 MDL.....: 34.8	04/25-04/26/06	H3KFV1AM
Beryllium	0.017 B	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.0084	04/25-04/26/06	H3KFV1AN
Cadmium	0.072 B	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.054	04/25-04/26/06	H3KFV1AP
Cobalt	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.7	04/25-04/26/06	H3KFV1AQ
Chromium	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 10.3	04/25-04/26/06	H3KFV1AR
Copper	454	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 2.9	04/25-04/26/06	H3KFV1AT
Manganese	18.2	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.9	04/25-04/26/06	H3KFV1AU
Molybdenum	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.1	04/25-04/26/06	H3KFV1AV
Nickel	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.5	04/25-04/26/06	H3KFV1AW
Lead	2.1	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.34	04/25-04/26/06	H3KFV1AX

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000426

TOTAL Metals

Lot-Sample #...: G6D190170-011 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFV1A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.7 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFV1A1
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	15.3 B	24.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	440	240	ug	SW846 6010B	04/25-04/28/06	H3KFV1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	978 B	3000	ug	SW846 6010B	04/25-04/28/06	H3KFV1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	542	120	ug	SW846 6010B	04/25-04/28/06	H3KFV1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	334 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFV1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFV1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000427

TOTAL Metals

Lot-Sample #...: G6D190170-012 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.021 B,J**	0.12 Dilution Factor: 1	ug	**SW846 7471A** MDL.....: 0.00036	**04/27/06**	**H3KFW1AE**
Prep Batch #...: 6116334						
Silver	**0.10 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.014	**04/25-04/26/06**	**H3KFW1AM**
Arsenic	ND	3.6 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.9	04/25-04/26/06	H3KFW1AN
Barium	ND	120 Dilution Factor: 1	ug	SW846 6020 MDL.....: 34.8	04/25-04/26/06	H3KFW1AP
Beryllium	**0.022 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.0084	**04/25-04/26/06**	**H3KFW1AQ**
Cadmium	**0.069 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.054	**04/25-04/26/06**	**H3KFW1AR**
Cobalt	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.7	04/25-04/26/06	H3KFW1AT
Chromium	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 10.3	04/25-04/26/06	H3KFW1AU
Copper	**181**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 2.9	**04/25-04/26/06**	**H3KFW1AV**
Manganese	**12.4**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 1.9	**04/25-04/26/06**	**H3KFW1AW**
Molybdenum	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.1	04/25-04/26/06	H3KFW1AX
Nickel	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.5	04/25-04/26/06	H3KFW1A0
Lead	**1.9**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.34	**04/25-04/26/06**	**H3KFW1A1**

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000427

TOTAL Metals

Lot-Sample #...: G6D190170-012 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFW1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.6 B,J**	**12.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KFW1AC**
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	**296**	**240**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFW1AG**
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFW1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	**442**	**120**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFW1AJ**
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	**242 B**	**600**	**ug**	**SW846 6010B**	**04/25-04/28/06**	**H3KFW1AK**
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFW1AL
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000428

TOTAL Metals

Lot-Sample #...: G6D190170-013 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.028 B,J**	0.12 Dilution Factor: 1	ug	**SW846 7471A** MDL.....: 0.00036	**04/27/06**	**H3KFX1AE**
Prep Batch #...: 6116334						
Silver	**0.094 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.014	**04/25-04/26/06**	**H3KFX1AM**
Arsenic	ND	3.6 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.9	04/25-04/26/06	H3KFX1AN
Barium	ND	120 Dilution Factor: 1	ug	SW846 6020 MDL.....: 34.8	04/25-04/26/06	H3KFX1AP
Beryllium	**0.014 B**	1.2 Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.0084	**04/25-04/26/06**	**H3KFX1AQ**
Cadmium	ND	1.2 Dilution Factor: 1	ug	SW846 6020 MDL.....: 0.054	04/25-04/26/06	H3KFX1AR
Cobalt	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.7	04/25-04/26/06	H3KFX1AT
Chromium	ND	12.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 10.3	04/25-04/26/06	H3KFX1AU
Copper	**169**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 2.9	**04/25-04/26/06**	**H3KFX1AV**
Manganese	**13.3**	**6.0** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 1.9	**04/25-04/26/06**	**H3KFX1AW**
Molybdenum	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 1.1	04/25-04/26/06	H3KFX1AX
Nickel	ND	6.0 Dilution Factor: 1	ug	SW846 6020 MDL.....: 3.5	04/25-04/26/06	H3KFX1A0
Lead	**1.8**	**1.2** Dilution Factor: 1	ug	**SW846 6020** MDL.....: 0.34	**04/25-04/26/06**	**H3KFX1A1**

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000428

TOTAL Metals

Lot-Sample #...: G6D190170-013 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFX1AA
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	3.6 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFX1AC
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	6.9 B	24.0	ug	SW846 6020	04/25-04/26/06	H3KFX1AD
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	315	240	ug	SW846 6010B	04/25-04/28/06	H3KFX1AG
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFX1AH
		Dilution Factor: 1		MDL.....: 898		
Iron	403	120	ug	SW846 6010B	04/25-04/28/06	H3KFX1AJ
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	238 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFX1AK
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFX1AL
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000429

TOTAL Metals

Lot-Sample #...: G6D190170-014 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311						
Mercury	**0.010 B,J**	**0.12**	**ug**	**SW846 7471A**	**04/27/06**	**H3KF01AC**
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	**0.016 B**	**1.2**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KF01AK**
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KF01AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KF01AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KF01AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KF01AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000429

TOTAL Metals

Lot-Sample #...: G6D190170-014 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KF01A0
		Dilution Factor: 1		MDL.....: 1.7		
Vanadium	**3.0 B,J**	**12.0**	**ug**	**SW846 6020**	**04/25-04/26/06**	**H3KF01A1**
		Dilution Factor: 1		MDL.....: 2.9		
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KF01AA
		Dilution Factor: 1		MDL.....: 6.2		
Prep Batch #...: 6116343						
Aluminum	ND	240	ug	SW846 6010B	04/25-04/28/06	H3KF01AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KF01AF
		Dilution Factor: 1		MDL.....: 898		
Iron	ND	120	ug	SW846 6010B	04/25-04/28/06	H3KF01AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	ND	600	ug	SW846 6010B	04/25-04/28/06	H3KF01AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KF01AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0591

General Chemistry

Lot-Sample #...: G6D190170-001 Work Order #...: H3KFF Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0070	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0592

General Chemistry

Lot-Sample #...: G6D190170-002 Work Order #...: H3KFG Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0084	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0593

General Chemistry

Lot-Sample #...: G6D190170-003 Work Order #...: H3KFH Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0074	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0594

General Chemistry

Lot-Sample #...: G6D190170-004 Work Order #...: H3KFJ Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0103	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0595

General Chemistry

Lot-Sample #...: G6D190170-005 Work Order #...: H3KFL Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0080	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0596

General Chemistry

Lot-Sample #...: G6D190170-006 Work Order #...: H3KFM Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0080	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0597

General Chemistry

Lot-Sample #...: G6D190170-007 Work Order #...: H3KFP Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Particulate Matter as PM10	0.0077	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: 000423

General Chemistry

Lot-Sample #...: G6D190170-008 Work Order #...: H3KFQ Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0305	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000424

General Chemistry

Lot-Sample #...: G6D190170-009 Work Order #...: H3KFR Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0210	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000425

General Chemistry

Lot-Sample #...: G6D190170-010 Work Order #...: H3KFT Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0247	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000426

General Chemistry

Lot-Sample #...: G6D190170-011 Work Order #...: H3KFV Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0353	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000427

General Chemistry

Lot-Sample #...: G6D190170-012 Work Order #...: H3KFW Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0220	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000428

General Chemistry

Lot-Sample #...: G6D190170-013 Work Order #...: H3KFX Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	0.0242	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000429

General Chemistry

Lot-Sample #...: G6D190170-014 **Work Order #...:** H3KF0 **Matrix.....:** AIR
Date Sampled...: 04/14/06 **Date Received..:** 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Particulates	ND	0.00010	g	CFR50B APDX B	04/21/06	6116572

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 4/26/06
Time: 17:37:04

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
QC BATCH #: **6116575**
PREP DATE: 4/21/06 9:13
COMP DATE: 4/21/06 15:20
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY:
INITIALS
DATE 4/26/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H3KFF-1-AA	G-6D190170-001	XX S 88 JR 01	Y-D	4/21/06	P-0591
H3KFG-1-AD	G-6D190170-002	XX S 88 JR 01	Y-D		P-0592
H3KFH-1-AD	G-6D190170-003	XX S 88 JR 01	Y-D		P-0593
H3KFJ-1-AD	G-6D190170-004	XX S 88 JR 01	Y-D		P-0594
H3KFL-1-AD	G-6D190170-005	XX S 88 JR 01	Y-D		P-0595
H3KFM-1-AD	G-6D190170-006	XX S 88 JR 01	Y-D		P-0596
H3KFP-1-AD	G-6D190170-007	XX S 88 JR 01	Y-D		P-0597

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: 6D190170-157 Batch #: 611657

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 4/26/06 ANALYST: Sdmoore

	YES	NO	NA
LEVEL 1 ANALYSIS REVIEW			
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.			✓
7. Samples exceeded 5 consecutive final weighings.			
LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SM 4/26/06

LEVEL 2 REVIEW:	✓		
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.			✓
3. Reanalysis documented and chemist notified.	✓		
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).			

Completed By & Date: SM 4/28/06

Comments: do DA

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)	
	5 g wt	5.0000 030706skv1039	5.0004 030706skv1653	4.9999 042106skv0913	5.0002 042106skv1513	4.9998 042206skv0918				-0.0006	
H3EVL	pmbc030706-586	4.4912 030706skv1039	4.4912 030706skv1653	4.4956 042106skv0914	4.4960 042106skv1514					0.0048	
H3EVM	pmbc030706-587	4.4723 030706skv1040	4.4723 030706skv1654	4.4762 042106skv0915	4.4767 042106skv1515					0.0044	
H3EVN	pmbc030706-588	4.4689 030706skv1040	4.4692 030706skv1655	4.4712 042106skv0915	4.4729 042106skv1516	4.4734 042206skv0918				0.0042	
H3EVQ	pmbc030706-589	4.4845 030706skv1040	4.4845 030706skv1656	4.4862 042106skv0915	4.4866 042106skv1516					0.0021	
H3EVT	pmbc030706-590	4.4627 030706skv1041	4.4623 030706skv1656	4.4601 042106skv0917	4.4598 042106skv1516					-0.0025	
H3KFF	pmbc030706-591	4.4740 030706skv1041	4.4740 030706skv1657	4.4807 042106skv0918	4.4810 042106skv1517					0.0070	✓
H3KFG	pmbc030706-592	4.4792 030706skv1041	4.4793 030706skv1657	4.4877 042106skv0918	4.4877 042106skv1517					0.0084	✓
H3KFH	pmbc030706-593	4.4799 030706skv1042	4.4803 030706skv1658	4.4880 042106skv0919	4.4877 042106skv1517					0.0074	✓
H3KFJ	pmbc030706-594	4.4673 030706skv1042	4.4675 030706skv1658	4.4783 042106skv0919	4.4778 042106skv1518					0.0103	✓
H3KFL	pmbc030706-595	4.4766 030706skv1043	4.4770 030706skv1659	4.4855 042106skv0919	4.4850 042106skv1518					0.0080	✓
	5 g wt	5.0005 030706skv1043	5.0003 030706skv1659	5.0000 042106skv0920	4.9998 042106skv1518	4.9998 042206skv0918				-0.0005	
H3KFM	pmbc030706-596	4.4891 030706skv1044	4.4896 030706skv1700	4.4975 042106skv0920	4.4976 042106skv1519					0.0080	✓
H3KFP	pmbc030706-597	4.4758 030706skv1044	4.4758 030706skv1700	4.4831 042106skv0920	4.4835 042106skv1519					0.0077	✓
	pmbc030706-598	4.4713 030706skv1045	4.4713 030706skv1700							NC	

rev 020303

N:/atg/air/airgrav3k.xls

Page 1/2 Batch#: C116575

Reviewed by: 4/28/06

SOP# : Sac-iP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	pmbc030706-599	4.4603 030706skv1045	4.4603 030706skv1701							NC
	pmbc030706-600	4.4659 030706skv1045	4.4659 030706skv1702							NC
	5 g wt	5.0000 030706skv1047	5.0002 030706skv1702	4.9998 042106skv0921	4.9998 042106skv1520					-0.0004

rev 020303

N:/atg/air/airgrav3k.xls

Page 2/2 Batch#: 6116575

Reviewed by: 4/28/04

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 6116575

Date 4/28/2006
Time 12:48:39

Method Code: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
Analyst: Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H3KFF-1-AA	0.0070	g	0.0001	04/21/06	.00	N	R	0.0070	0.0001	1.00
H3KFG-1-AD	0.0084	g	0.0001	04/21/06	.00	N	R	0.0084	0.0001	1.00
H3KFH-1-AD	0.0074	g	0.0001	04/21/06	.00	N	R	0.0074	0.0001	1.00
H3KFJ-1-AD	0.0103	g	0.0001	04/21/06	.00	N	R	0.0103	0.0001	1.00
H3KFL-1-AD	0.0080	g	0.0001	04/21/06	.00	N	R	0.0080	0.0001	1.00
H3KFM-1-AD	0.0080	g	0.0001	04/21/06	.00	N	R	0.0080	0.0001	1.00
H3KFP-1-AD	0.0077	g	0.0001	04/21/06	.00	N	R	0.0077	0.0001	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 4/26/06
Time: 17:38:46

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **6116572**
PREP DATE: 4/21/06 9:04
COMP DATE: 4/22/06 9:14
USER: VALMORES

INITIALS:
PREP
ANAL

DATA ENTRY
INITIALS
DATE 4/26/06

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
H3KFQ-1-AA	G-6D190170-008	XX S 88 AO 3W	Y-D	4/21/06	000423
H3KFR-1-AD	G-6D190170-009	XX S 88 AO 3W	Y-D		000424
H3KFT-1-AF	G-6D190170-010	XX S 88 AO 3W	Y-D		000425
H3KFV-1-A2	G-6D190170-011	XX S 88 AO 3W	Y-D		000426
H3KFW-1-AF	G-6D190170-012	XX S 88 AO 3W	Y-D		000427
H3KFX-1-AF	G-6D190170-013	XX S 88 AO 3W	Y-D		000428
H3KF0-1-A2	G-6D190170-014	XX S 88 AO 3W	Y-D		000429

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN TRENT STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6D190170 - 8 - 14 Batch #: 611572

ANALYSIS: (circle) (TSP/PM10) or METHOD 5

DATE: 4/26/10 ANALYST: SNadmos

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.			✓

LEVEL 1 DATA REVIEW	YES	NO	NA
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.			✓

Completed By & Date: SN 4/26/10

LEVEL 2 REVIEW:	YES	NO	NA
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.	✓		
3. Reanalysis documented and chemist notified.			✓
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: QA 4/28/10

Comments: doo ZA

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0003 030706skv1019	5.0005 030706skv1639	4.9998 042106skv0902	5.0001 042106skv1506	5.0001 042206skv0912				-0.0004
H2DTP	bctsp030706-411	4.3284 030706skv1019	4.3284 030706skv1639	4.3483 040506skv1020	4.3478 040606skv1546					0.0194
H2DTQ	bctsp030706-412	4.3315 030706skv1019	4.3319 030706skv1640	4.3434 040506skv1020	4.3437 040606skv1546					0.0118
H2DTR	bctsp030706-413	4.3140 030706skv1020	4.3135 030706skv1640	4.3253 040506skv1020	4.3257 040606skv1546					0.0122
H2DTT	bctsp030706-414	4.3206 030706skv1020	4.3206 030706skv1642	4.3379 040506skv1021	4.3376 040606skv1547					0.0170
H2DTW	bctsp030706-415	4.3163 030706skv1020	4.3167 030706skv1642	4.3292 040506skv1021	4.3292 040606skv1547					0.0125
H2DTX	bctsp030706-416	4.2974 030706skv1021	4.2976 030706skv1642	4.3140 040506skv1022	4.3143 040606skv1547					0.0167
H3EV2	bctsp030706-417	4.2689 030706skv1021	4.2689 030706skv1643	4.2840 042106skv0902	4.2840 042106skv1507					0.0151
H3EV3	bctsp030706-418	4.2818 030706skv1021	4.2818 030706skv1643	4.2880 042106skv0903	4.2894 042106skv1508	4.2899 042206skv0913				0 0081
H3EV6	bctsp030706-419	4.3166 030706skv1021	4.3161 030706skv1643	4.3226 042106skv0903	4.3258 042106skv1509	4.3256 042206skv0913				0.0095
	bctsp030706-420	4.3358 030706skv1022	4.3358 030706skv1644							NC
	5 g wt	5.0000 030706skv1023	5.0000 030706skv1644	4.9999 040506skv1022	5.0001 040606skv1548	4.9998 040706skv1007				-0.0002
	5 g wt	5.0000 030706skv1023	5.0000 030706skv1644	4.9997 042106skv0904	5.0001 042106skv1509					0.0001
H3EV7	bctsp030706-421	4.3611 030706skv1023	4.3614 030706skv1645	4.3718 042106skv0905	4.3723 042106skv1509					0.0109
H3EV8	bctsp030706-422	4.3679 030706skv1023	4.3682 030706skv1645	4.3815 042106skv0905	4.3828 042106skv1510	4.3827 042206skv0914				0.0145

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
H3KFQ	bctsp030706-423	4.2817 030706skv1023	4.2812 030706skv1645	4.3112 042106skv0906	4.3117 042106skv1510					0.0305
H3KFR	bctsp030706-424	4.2787 030706skv1024	4.2782 030706skv1646	4.2995 042106skv0906	4.2992 042106skv1510					0.0210
H3KFT	bctsp030706-425	4.2874 030706skv1024	4.2874 030706skv1646	4.3121 042106skv0906	4.3121 042106skv1511					0.0247
	5 g wt	5.0004 030706skv1024	5.0005 030706skv1647	4.9999 042106skv0907	5.0003 042106skv1511	5.0000 042206skv0914				-0.0005

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

Severn Trent Laboratories

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0001 032806pgr0832	4.9999 032906skv1027	4.9997 042106skv0907	5.0001 042106skv1502					0.0002
H3KFV	bctsp032706-426	4.3545 032806pgr0833	4.3543 032906skv1028	4.3894 042106skv0907	4.3896 042106skv1503					0.0353
H3FW	bctsp032706-427	4.3551 032806pgr0834	4.3551 032906skv1029	4.3772 042106skv0908	4.3771 042106skv1503					0.0220
H3KFX	bctsp032706-428	4.3499 032806pgr0835	4.3495 032906skv1029	4.3739 042106skv0908	4.3737 042106skv1504					0.0242
H3KF0	bctsp032706-429	4.3586 032806pgr0836	4.3591 032906skv1030	4.3572 042106skv0909	4.3576 042106skv1504					-0.0015
	bctsp032706-430	4.3433 032806pgr0837	4.3437 032906skv1030							NC
	bctsp032706-431	4.3618 032806pgr0838	4.3619 032906skv1031							NC
	bctsp032706-432	4.3437 032806pgr0838	4.3441 032906skv1031							NC
	bctsp032706-433	4.3435 032806pgr0839	4.3438 032906skv1031							NC
	bctsp032706-434	4.3494 032806pgr0839	4.3499 032906skv1032							NC
	bctsp032706-435	4.3492 032806pgr0840	4.3496 032906skv1034							NC
	5 g wt	4.9998 032806pgr0844	4.9997 032906skv1034	4.9998 042106skv0909	5.0001 042106skv1504					0.0004

rev 020303

N:/atg/air/airgrav3k.xls

Page 3/3 Batch#: G116572

Reviewed by: 4/28/06

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **6116572**

Date 4/28/2006
Time 12:51:55

Method Code:**AO Particulates in Air, Suspended "TSP HiVol" (APP B)**
Analyst:**Steve Valmores**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
H3KFQ-1-AA	0.0305	g	0.0001	04/21/06	.00	N	R	0.0305	0.0001	1.00
H3KFR-1-AD	0.0210	g	0.0001	04/21/06	.00	N	R	0.0210	0.0001	1.00
H3KFT-1-AF	0.0247	g	0.0001	04/21/06	.00	N	R	0.0247	0.0001	1.00
H3KFV-1-A2	0.0353	g	0.0001	04/21/06	.00	N	R	0.035	0.00010	1.00
H3KFW-1-AF	0.0220	g	0.0001	04/21/06	.00	N	R	0.022	0.00010	1.00
H3KFX-1-AF	0.0242	g	0.0001	04/21/06	.00	N	R	0.024	0.00010	1.00
H3KF0-1-A2	ND	g	0.0001	04/21/06	.00	N	R	ND	0.00010	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6D190170

AIR, TSP
The final weight for sample 000429 was less than the initial weight so this result was reported as 'ND'.

There were no other anomalies associated with this project.

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary
G6D190170

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
H3KFF	1	P-0591	4/14/2006 09:05 AM	4/19/2006 09:15 AM
H3KFG	2	P-0592	4/14/2006 09:25 AM	4/19/2006 09:15 AM
H3KFH	3	P-0593	4/14/2006 09:35 AM	4/19/2006 09:15 AM
H3KFJ	4	P-0594	4/14/2006 09:55 AM	4/19/2006 09:15 AM
H3KFL	5	P-0595	4/14/2006 10:20 AM	4/19/2006 09:15 AM
H3KFM	6	P-0596	4/14/2006 10:30 AM	4/19/2006 09:15 AM
H3KFP	7	P-0597	4/14/2006 09:10 AM	4/19/2006 09:15 AM
H3KFQ	8	000423	4/14/2006 09:15 AM	4/19/2006 09:15 AM
H3KFR	9	000424	4/14/2006 09:20 AM	4/19/2006 09:15 AM
H3KFT	10	000425	4/14/2006 09:40 AM	4/19/2006 09:15 AM
H3KFV	11	000426	4/14/2006 10:00 AM	4/19/2006 09:15 AM
H3KFW	12	000427	4/14/2006 10:15 AM	4/19/2006 09:15 AM
H3KFX	13	000428	4/14/2006 10:35 AM	4/19/2006 09:15 AM
H3KF0	14	000429	4/14/2006 10:05 AM	4/19/2006 09:15 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 74

YERA000147

☒ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite 300
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESERVATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	~~TAT~~	SAMPLING METHOD	DEPTH (FT.) BEGIN – END	PID READING (ppm)
01	P-0591	4/14/16	9:05	MS	1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
02	P-0592		9:25		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
03	P-0593		9:35		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
04	P-0594		9:55		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
05	P-0595		10:20		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
06	P-0596		10:30		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
07	P-0597		0910		1	8x10 Filter	NONE	A	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—		----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Marie Sherman	DATE 4/15/16	TIME 1:00	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheryl Hall	DATE 4/19/16	TIME 09:45	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				OV
COURIER: FED EX			SHIPPING NUMBER: 790397686478			

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

G6D190170

STL-Sacramento (916) 373-5600

4 of 331

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 74

YERA000148

☒ 3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

☐ 4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

☐ 201 East Washington Street / Suite
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

G6D190170

PROJECT NAME: Yerington Air Qlty

PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS: SEVERN TRENT LABS., WEST SACRAMENTO,

LINE NO.	SAMPLE – I.D.	COLLECTION DATE	COLLECTION TIME	SAMPLER'S INITIALS	NUMBER OF CONTAINERS	CONTAINER SIZE AND TYPE	PRESERVATIVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC – REQ	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN / END	PID READING (ppm)
01	-000423	4/14/06	9:15	MS	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
02	-000424		9:20		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
03	-000425		9:40		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
04	-000426		10:00		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
05	-000427		10:15		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
06	-000428		10:35		1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
07	-000429	↓	10:05	↓	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)					----	
08														----	
09														----	
10														----	

COLLECTED & RELEASED BY: Wayne Shannon	DATE 4/18/06	TIME 1600	COOLER I.D.:			COMMENTS (see note on back):
RECEIVED BY: Cheng Ike	DATE 4/19/06	TIME 08:45	RELINQUISHED BY:	DATE / /	TIME :	
RECORD RETURNED BY:	DATE / /	TIME :				OV
COURIER: FEDEX			SHIPPING NUMBER: 790397686478			

DISTRIBUTION: WHITE – PROJECT FILE • CANARY – LAB RECEIPT • PINK – DATA MANAGEMENT • GOLDENROD – FIELD

USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

STL-Sacramento (916) 373-5600

6 of 331

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT Brown & Caldwell PM KD LOG # 58341

LOT# (QUANTIMS ID) G6D19070 QUOTE# 62684 LOCATION AC

	Initials	Date
DATE RECEIVED 4/19/06 TIME RECEIVED 0915	DW	4/19/06

DELIVERED BY ☑ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ STL COURIER ☐ COURIERS ON DEMAND
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☑ N/A

CUSTODY SEAL #(S) _____

SHIPPPING CONTAINER(S) ☐ STL ☑ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1☐ 3☐ ☐ OTHER N/A

COC #(S) _____

TEMPERATURE BLANK Observed:_____ Corrected:_____

SAMPLE TEMPERATURE

Observed: Ambient Average:_____ Corrected Average:_____

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ ☑ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
WETCHEM ☑ N/A
VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes:_____

*1 Acceptable temperature range for State of Wisconsin samples is < 4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

SEVERN TRENT STL

Bottle Lot Inventory

Lot ID: G6D190170

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*																				
VOAh*																				
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
____AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
____CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
_____"CT																				
Encore																				
Folder/filter	/													/						
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3